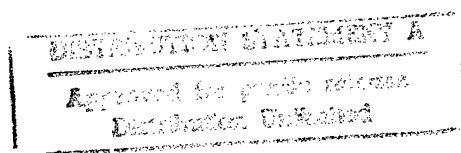




## **FISCAL YEAR 1997 REPORT**

19970107 042



**DEPUTY UNDER SECRETARY OF THE ARMY  
(OPERATIONS RESEARCH)**

DTIC QUALITY ASSURANCE





DEPARTMENT OF THE ARMY  
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This report presents the major command and Army staff agency study agendas for Fiscal Year 1996 (FY 96). This year *The Army Study Program FY 96 Report* comprises a wide range of analytical efforts addressing the major issues of the Army under the auspices of Army Regulation 5-5, Army Studies and Analyses.

For the past eleven years, the Army Study Program has been developed and examined with respect to Critical Army Issues. These issues have been updated through interviews and analyses of recommendations from senior Army leaders and members of the analysis community. Much of the FY 97 Army Study Guidance still concerns supporting the Army's transition into the force for the next century.

This report also examines studies regarding their potential impact upon the Army. Several listings of the studies in the annual program are provided to assist the reader which include: alphabetically by title for each sponsoring organization, by critical Army issue, by functional area, and by identification code.

In keeping with environmental concerns, the number of copies of *The Army Study Program FY 97 Report* being distributed has been held to a minimum. The Army Information on Models, Simulations and Studies Systems (AIMSSS) provides on-line access to information on studies approved for the FY 96 Army Study Program. Connectivity information is found at appendix E of this document. Comments or requests for additional copies may be made by contacting the undersigned at DSN 327-3376, COM (703) 607-3376.

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## EXECUTIVE SUMMARY

This is *The Army Study Program Fiscal Year (FY) 1997 Report*. It contains the FY 97 Army Study Program as reviewed and approved for the Study Program Coordination Committee (SPCC) by the DUSA(OR) on 22 October 1996. The SPCC is chaired by the Deputy Under Secretary of the Army (Operations Research) [DUSA(OR)] and consists of General Officer or Senior Executive Service Level representatives from the Major Commands (MACOMs) and Army Staff Agencies.

This report describes the annual study program in terms of issues addressed by these studies, related functional area, and potential impact upon the Army, as well as other programmatic characteristics of the studies contained in the Study Program data base. A comparison of the FY 97 study program with study programs from prior years is also provided.

Data presented were collected from agencies and commands sponsoring studies. They were tabulated and analyzed by the Study Program Management Office. Salient findings of this analysis follow:

- There are 250 studies in the FY 97 Army Study Program. This is an increase of more than 30 percent from FY 96, and has occurred despite a decrease in study resources of over 50 percent. This adjustment has been accomplished in the study community by shifting to smaller, more narrowly focused studies.

- As in previous years the majority of the studies in the program (145) are

sponsored by the Training and Doctrine Command (TRADOC). That command has 145 studies in the FY 97 Study Program.

- All functional areas are addressed by the FY 97 Study Program. Almost half of these studies address Equipping the Force. The functional area with the second most attention is Training, representing about one-fifth of the program.

- Almost one third of the studies in the FY 97 Study Program have directly impact how MACOMs and staff agencies function. More than half of the studies reported have a potential for contributing to the evaluation or management of programs and projects.

- The number of studies addressing the major issue areas developed for the Army Study Planning Guidance decreased in FY 97. Even so, about 41 percent of FY 97 studies addressed these issues which well exceeded the notional goal of 25 percent. Ten of the eleven issue areas are addressed in the FY 97 program, with Modernization being the issue most frequently focused upon.



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## CHAPTER 1

### INTRODUCTION

As the Department of Defense (DoD) moves into the 21st century, Army analysis provides a cornerstone to build prepared, capable, and effective force structures. The Army Study Program provides an important mechanism through which problems arising from critical issues and other important matters are identified and explored to meet the Army's expanding needs. Overseeing the efficient use of study resources is the major function of the program. The objectives and characteristics of a study are described in Army Regulation (AR) 5-5, "Army Studies and Analyses" and by definition involve operations or systems analysis in providing recommendations to Army decision-makers.

The purpose of this report is to provide a collective profile of the 250 studies for the FY 97 Army Study Program. These studies are consistent with and support the program objectives stated in AR 5-5. The report encompasses studies categorized as planned and ongoing. Planned studies are those that are approved to begin this fiscal year while ongoing studies are continuing studies that began prior to FY 97.

Each year the Army Study Program Management Office initiates the study program cycle by assessing critical issues and the need to address them with analysis. This process incorporates critical Army issues identified in the Defense Guidance and The Army Plan, with supporting statements from key individuals within the Army. Based on topics of concern garnered from this process,

the DUSA(OR) promulgates the Army Study Planning Guidance to provide an issue-based focus for Army study and analysis.

Starting with the Army Study Program Guidance, in combination with specific subordinate organizational guidance, study program coordinators from Headquarters, Department of the Army (HQDA) and the MACOMs submit proposed studies to the Study Program Management Office. After evaluation by the Study Program Management Office, the proposed studies are presented to SPCC for approval for the next fiscal year's program. The SPCC consists of General Officer or Senior Executive Service-Level representatives from the Major Commands and Army Staff Agencies and provides management oversight to the Army Study Program.

This report reflects the status of the FY 97 Army Study Program at the time of approval by the SPCC in October 1996. The information regarding the elements in the study program data base has been reviewed and clarification from the submitting organization's study points of contact (POCs) and study program coordinators was sought to verify status information. It is assumed that the information provided by the sponsoring organizations regarding their studies is correct. Beginning with this year, information on study resources is reported solely for that year, rather than for the duration of the project, which may span more than one fiscal year. Since this is a



relatively new feature in the study program data, such reporting is not possible, however, for annual comparisons over several fiscal years.

The study program is dynamic. Studies are initiated and completed at various times throughout the year. Studies may span months or years. Studies may spawn additional studies or may be terminated early as a result of preliminary findings. Because of this dynamic nature, as well as the requirement that the program be responsive to Army needs, the types and mix of studies are continually changing.

As in previous years, the planned and ongoing studies in the FY 97 program cover a broad spectrum of effort and impact all functional areas. There are studies addressing each of the critical issues identified in the study guidance. In Chapter 2, the makeup of the study program for this fiscal year is discussed. Statistics summarizing resource expenditures are used to describe the size and impact of the program. The focus in Chapter 3 is on critical issues as presented in the Army Study Planning Guidance and on those studies addressing them. In Chapter 4, a brief narrative and some other characteristics of studies comprising the FY 97 Army Study Program are grouped by study sponsor and then listed alphabetically. Chapters 5, and 6 contain cross reference listings of studies by functional area and critical issue, respectively.

Appendix A defines the symbols used in the various study reports. Appendix B contains a glossary of terms relating to study information. A list of Army study coordinators within organizations is given in

Appendix C. A list of POCs for studies and analyses within DoD is presented in Appendix D. Appendix E gives the detailed instructions to access the on-line version of the FY 97 Army Study Program.



## CHAPTER 2

### FY 97 ARMY STUDY PROGRAM OVERVIEW

This chapter presents an overall description of the FY 97 Army Study Program. Data are presented in frequency tables, accompanied by findings and interpretations of salient results.

The FY 97 Army Study Program comprises 257 studies. This is an increase from FY 96 of over 30 percent. The FY 97 program is described below in terms of several attributes: resources, functional area, study sponsor, and impact.

One of the most significant descriptors of Army studies is the extent to which critical issues are addressed. An overview of Army studies from this perspective is given in chapter 3.

#### RESOURCES

Army study resources come from two sources, Army personnel or contractors. Army personnel are measured in Professional Staff Years (PSY). Contractor resources are measured in dollars. The availability of both resource types has continued to decline since 1990 with a corresponding effect on the number of studies per year by agency. This year, however, is an exception in that the rate of decline for resources has diminished while the number of studies in the Army Study Program has increased over the previous year.

- In-house resources (personnel) for

Training and Doctrine Command (TRADOC) Analysis Center (TRAC), Army's largest organic analytic organization, declined in FY97. This reduction was somewhat compensated for by a slight increase in money allocated for contract studies. This suggests that overall resources committed to studies may have reached a level below which they may not easily fall

- The increase in the number of studies can be accounted for by two phenomena. First, the number of studies reported by Army Materiel Systems Analysis Agency has increased over last year by sixteen studies. The second phenomenon relates to studies which are carried over from the previous fiscal year, called "ongoing" studies. There are 27 ongoing studies sponsored by HQDA in the FY 97 Study Program as opposed to just two in FY 96. This too, may be related to declining analytic resources in that one method of stretching them is to assign fewer dollars or personnel per year to a given effort. This has the impact of increasing the study's duration.

#### FUNCTIONAL AREA

To capitalize on the functional expertise in the Army, and to facilitate the development of the Army's program in terms useful to the senior decision-makers, Army programs are classified into nine functional areas. The



table below describes the FY 97 Army Study Program in terms of the functional area to which each study best applies.

- Almost one half of the studies in the FY 97 Army Study Program relate to the functional area of Equipping. Typical of these studies are Cost and Operational Effectiveness Analyses (COEAs) and other weapon systems analyses. Over the years, there has been a steady decline in COEAs, in part because fewer systems are being developed for the Army. A decline in analysis resources has also contributed to this phenomenon by causing such analyses to become more focused on fundamental questions rather than addressing the full suite of analytic elements called for in the traditional format. After Equipping, Training is the most frequently represented functional area in number of studies. This distribution is typical for the last several years.
- Equipping is easily the dominant functional area in terms of resources applied (56.6 percent). As in the frequency of functional areas studied,

Training places second showing a slight increase from the previous year.

- Proportionately more study resources (13.6 percent) addressed the functional area of Structuring this year than last. This, despite the fact that these studies represented only 5.8 percent of the number of studies in the program. The increased emphasis upon studies which address Army force structure seems to be in response to the Quadrennial Defense Review, Roles and Missions review and various efforts to redesign Army functions.

*In this and the following tables, N is the number of studies, N% is the percent of studies, R is the resources in staff years, and R% is the percent of total resources available to the Army study program. In order to combine in-house (staff year) and contract (dollar) resources, monetary amounts contracted were converted to staff year equivalents (\$150,000 is equivalent to one staff-year). Resources reported are for the duration of the study and often extend into more than one fiscal year.*

#### DISTRIBUTION OF STUDIES BY FUNCTIONAL AREA

FUNCTIONAL AREA	N	N%	R	R%
Structuring	15	5.8	56.0	13.6
Manning	16	6.2	8.9	2.2
Training	51	19.8	59.8	14.5
Deploying/Mobilizing	9	3.5	9.0	2.2
Providing Facilities	3	1.2	7.9	1.9
Managing Information	23	8.9	22.7	5.5
Equipping	117	45.5	233.2	56.6
Sustaining	19	7.4	5.7	1.4
Managing	4	1.6	9.0	2.2
<b>Total</b>	<b>257</b>	<b>100.0</b>	<b>412.2</b>	<b>100.0</b>



- The table below shows the annual distribution of study resources by functional area. The functional area of Training shows an equivalent percentage of study resources between FY 96 and FY 97.

- The area of Structuring continues an oscillatory trend. FY 96 represented both the lowest number of studies and percent of resources expended over the last six years. In FY97, the number of studies is now the

highest since FY91, and the percentage of overall study program resources applied to studies within this functional area has roughly trebled since last year.

- The proportion of study resources devoted to the functional areas of Manning and Mobilizing/Deploying and Providing Facilities is surprisingly low, given the priority these areas have within the Army.

### DISTRIBUTION OF STUDIES BY FUNCTIONAL AREA Percent Resources by Year

FUNCTIONAL AREA	FY91	FY92	FY93	FY94	FY95	FY96	FY97
Structuring	11.0	8.0	8.0	7.0	11.0	4.6	13.6
Manning	2.0	5.0	6.0	2.0	2.0	1.7	2.2
Training	10.0	12.0	19.0	16.0	18.0	13.3	14.5
Deploying/Mobilizing	5.0	5.0	3.0	2.0	3.0	2.8	2.2
Providing Facilities	5.0	0.0	<1	<1	0.0	<1	1.9
Managing Information	<1	9.0	6.0	6.0	10.0	16.8	5.5
Equipping	57.0	51.0	42.0	51.0	49.0	61.4	56.6
Sustaining	4.0	6.0	9.0	9.0	2.0	1.2	1.4
Managing	4.0	5.0	6.0	6.0	5.0	6.6	2.2
<b>Total</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>

### STUDY SPONSOR

Fourteen Army organizations sponsor study efforts in the FY 97 Army Study Program. In the following table, the FY 97 Army Study Program is displayed showing sponsoring organizations. For this discussion, Headquarters, Department of the Army (HQDA) sponsors have been combined into one group. The MACOMs which are dominant in number of studies, TRADOC and Army Materiel Command

(AMC), are shown separately. The remaining MACOMs are listed as "Other." Studies sponsored independently by the CAA are included as part of HQDA.

- The organization sponsoring the largest number of studies (56.4%) is TRADOC.

- The presence of TRADOC in the FY 97 Army Study Program is more pronounced when resources are considered with nearly seventy-nine percent of study



resources for FY 97 programmed for TRADOC. This indicates that TRADOC studies are, on the average, more intensive than those of other organizations, with

most of the "major" studies in the FY 97 Army Study Program conducted by TRADOC.

#### NUMBER OF STUDIES BY STUDY SPONSOR

SPONSOR	N	N%	R	R%
HQDA	67	26.1	49.7	12.1
TRADOC	145	56.4	303.2	73.6
AMC	43	16.7	57.4	13.9
Other	2	<.1	1.9	<.1
<b>Total</b>	<b>257</b>	<b>100</b>	<b>412.2</b>	<b>100</b>

The table below provides a comparison of the FY 97 Army Study Program to the program for previous years, distributed by study sponsor.

- While the total number of studies increased by over 30 percent from last year, there has been a *general* trend of decline in the size of the Army Study Program since FY 92. FY96 was the lowest level

recorded for the Study Program.

- Studies sponsored by AMC showed a marked increase in numbers from FY 96. This is probably reflective of the increase in analysis for new weapon systems at AMC and an improved reporting process. Studies sponsored by HQDA increased an equivalent amount from the preceding year.

#### ANNUAL DISTRIBUTION OF STUDIES BY SPONSOR

SPONSOR	FY91	FY92	FY93	FY94	FY95	FY96	FY97
HQDA	108	115	89	55	60	29	67
TRADOC	267	286	241	227	216	143	145
AMC	60	56	49	12	12	21	43
Other	45	59	57	19	18	4	2
<b>Total</b>	<b>480</b>	<b>516</b>	<b>436</b>	<b>313</b>	<b>306</b>	<b>197</b>	<b>257</b>

- The next table shows study resources for the Army Study Program for the past six years. As stated on page 2-1, resources presented here are a composite of in-house staff years and contract dollars converted to staff years. These are referred to here

as *Staff Year Equivalents (SYE)*. Interpretations based upon SYE must be made with the understanding that resources reported apply to the entire life of the study, which usually spans more than one FY. Thus, these figures represent



- The next table shows study resources for the Army Study Program for the past six years. As stated on page 2-1, resources presented here are a composite of in-house staff years and contract dollars converted to staff years. These are referred to here as Staff Year Equivalents (SYE). Interpretations based upon SYE must be made with the understanding that resources reported apply to the entire life of the study, which usually spans more

than one FY. Thus, these figures represent "sliding averages" rather than absolute values.

- Counter to the absolute number of studies for the FY 97, SYE for this Army Study Program decreased from FY96 levels reflecting a reduced resource expenditure per study. HQDA resources fell markedly; this decline was born, in part, by in-house resources at CAA.

**ANNUAL DISTRIBUTION OF STUDY RESOURCES BY SPONSOR**  
(Resources expressed in Staff Year Equivalents)

SPONSOR	FY91	FY92	FY93	FY94	FY95	FY96	FY97
<b>HQDA</b>	191	151	192	74	102	71	50
<b>TRADOC</b>	1984	1590	1257	1032	728	686	303
<b>AMC</b>	98	56	315	17	78	89	57
<b>Other</b>	107	192	139	35	40	25	2
<b>Total</b>	2380	1989	1903	1158	948	870	412

## IMPACT

Studies classified as having a primary impact have an immediate or direct impact upon how a command or agency operates. For example, one study in this group will examine weapons requirements for attack operations, specifically focusing on C<sup>3</sup>I and fire support architectures. Secondary impact studies contribute to the evaluation or management of a program or project. Efforts having a tertiary impact affect other studies or analyses or are conducted to provide insight. Several studies in this category are designed to provide assess-

ments of contingency and operation plans in a variety of scenarios for wargame analysis or to develop new models.

- Based on the information reported, the table below shows a preponderance of studies with a secondary impact in the FY 97 Program.
- The distribution of resources by impact is not appreciably different from the distribution of the number of studies by study impact.



### DISTRIBUTION OF STUDIES BY STUDY IMPACT\*

IMPACT	N	N%	R	R%
Primary	83	32.3	144.4	35
Secondary	137	53.3	197.6	47.9
Tertiary	30	11.7	62.5	15.2
Unknown	7	2.7	7.7	1.9

The next table depicts the potential impact of the 250 studies in the FY 97 program, distributed by study sponsor.

- More than half of the studies sponsored by HQDA are classified as having a primary impact. Many of these efforts relate to force design or doctrine, such as those sponsored by DCSOPS.
- In past years TRADOC was well

represented in all categories, but especially in those having a secondary impact. This is not to say that these are of less consequence than primary studies. Indeed, a review of these projects reveals that many support ultimate decisions about equipment and battlefield systems of the future Army. Nevertheless, because they are management decisions, they fit the definition of secondary impact-studies.

### STUDY IMPACT\* BY SPONSOR

SPONSOR	PRIMARY	SECONDARY	TERTIARY	TOTAL
HQDA	37	25	2	64
AMC	23	10	6	39
TRADOC	22	101	22	145
Other	1	1	0	0
<i>Total</i>	<i>83</i>	<i>137</i>	<i>30</i>	<i>250</i>

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\*As defined, study impact classification has no measurable direct implication for the significance or value of a study to the Army. Studies in all three impact categories are essential in much the same way as training and sustaining are essential to support warfighting capability. By contrast, the quality of analysis, its relevance to critical issues, and whether study results and findings are used and applied are important factors in the value of analysis. These matters are addressed in the Annual Army Study Program Evaluation.



## CHAPTER 3

### CRITICAL ARMY ISSUES

#### GENERAL

The Army Study Program is guided by a process of issue assessment which is conducted annually to determine the more significant issues challenging today's Army. Various means of identifying critical issues are used in the process, including interviews with key Army leaders and members of the analysis community. Based on this process, the DUSA(OR), through the Study Program Management Office, promulgates the Army Study Program Guidance.

This guidance is provided to assist individual commands and agencies in focusing their own objectives within the broader framework of critical Army issues. Army functional area experts review the proposed topics and develop study taskings considering the capability in the area, both in-house and contracted. The guidance is also used to evaluate studies and ensure proper allocation of resources.

The eleven critical issues, as expressed in the FY 97 Army Study Planning Guidance, are presented below. The final section includes a brief discussion of how these issues are addressed in the FY 97 Program.

#### STUDY ISSUES

**Redesign of Institutional/TDA) Army.** The objective of this entire Institutional Army redesign will be to create an

efficient and effective base for the Operating Army of the 21st century. Provide analytical support to integrate the results of the Functional Area Assessments (FAA) for selected Title 10 functions with the ongoing redesign efforts in Joint Venture. Organizations should conduct in-depth analysis to determine overall organizational changes which may be required to enhance the ability of the Institutional/TDA Army to perform service Title 10 functions. Analysis is needed to explore and assess emerging policy options to fulfill departmental Title 10 responsibilities while fulfilling demands of contingency operations, including development of a coordinated statement of institutional core competencies necessary to establish the Institution's contribution to Force XXI.

**Digitization of the Battlefield.** The Army needs studies and analyses which support the Army Digitization Office, campaign plans, the Digitization Architecture Master Plan, and horizontal integration of information technology. Analysis of the contribution to warfighting and implications for doctrine and allocation of combat resources should be emphasized. Studies should support the design of equipment for future modernization, and development of new equipment with built-in features to simplify and expedite upgrading through Horizontal Technology Integration (HTI).



**International Activities.** These studies should examine the factors affecting the ability of U.S. forces to operate in coalition warfare, both within the context of existing alliances, i.e., ROK-U.S., and in the case of ad hoc coalitions such as the Gulf War. Issues to be addressed may include command and control communications architectures; compatibility of standard operating procedures, doctrine, and practices; releasability of intelligence information and compatibility of intelligence communication architectures; standardization of weapons, ammunition, equipment, and repair parts; personnel; policies and organizational structures to facilitate liaison with non-English speaking allies. These analyses should provide support for the development of the Army International Activities Plan (AIAP). As specified in AR 11-31, this biennial plan is a companion plan to The Army Plan (TAP) to improve the integration and coordination of Army International Activities (AIA), and to ensure that the overall AIA direction is consistent with related defense policy.

**Space.** Studies supporting this issue should establish the Army's need for space-based products and develop a comprehensive Army requirements document for space. They should facilitate the development of a space architecture and requirements analysis to conduct warfare within the context of a Force XXI force structure. Investigation into the Army's need for space-based products and a comprehensive requirement document developed is required. Studies may assess both current and planned commercial and government programs to satisfy near-term, mid-term and future warfighting

space requirements, integrating both "white" and "black" space programs. Identify areas where shortfalls occur in the current versus planned Army space requirements, and what actions are required to satisfy space program shortfalls, including technology limitations and the impact on Army operations. Analysis should include funding requirements, organizations involved, and timetable for completion.

**Force Structure and Force Mix .** As the Army becomes smaller and more dependent on technology, Army civilians and contract personnel will become more important to its readiness and success. Policy implications of this for personnel, command structure, and force structure need to be determined. Support refinement of the force structure during the current period of adjustment and downsizing to provide a strategic force that is versatile, deployable, lethal, expandable and sustainable. We must define objective performance measures of Department of Army functions previously measured subjectively. Contribute to the development of a balanced force which provides for the proper mix of units (AC,RC; combat, CS, CSS; armored, light SOF; etc.). There is a need to examine the appropriate mix of AC and RC for operations other than war (OOTW). Illuminate which roles can be given to the RC in OOTW which optimize the use of resources. Analysis may provide support in the iterative cycles of concept development, force design, and experimentation designed to drive all key design decisions about the objective Force XXI divisions by the end of October 1997. Research is needed which supports CINC nation assistance,



warfighting requirements and regional multinational/joint exercise programs, UN peacekeeping, humanitarian assistance and national/international disaster relief, and emergency response operation and Army Civic Action Teams consistent with DOD guidance. Analysis should help determine methods to maintain war reserve program sufficient to meet CINC OPLANs.

**Modernization.** Ways to implement the concept of "cost as an independent variable" should be explored. An examination of how state of the art technology can be integrated into existing weapon systems to ensure that the US Army will continue to overmatch the enemy is needed. Studies should investigate methods to reduce or eliminate non-productive costs in the development, testing, acquisition and fielding of new capabilities, and explore ways to reform the acquisition process to realize these goals. The relationship of modernization to structuring the force with a view to optimizing how the Army can sufficiently invest in modernization in the face of dramatically declining resources and continue to sustain a quality force that maintains operational readiness needs explication. Where possible, studies should ensure interoperability of joint, multinational, and interagency systems and improve the Army's capability to quickly project power. Studies should look at means to exploit technology to lighten the soldier's load, automate inefficient manual systems and reduce the size of support units. Analysis is needed to enhance Army's capability to conduct precision strikes across the battlefield and improve effectiveness as a land force to dominate the maneuver battle. Analytic support is

needed to further Army's capability to protect the force against tactical missiles and enemy air threats, including cruise missiles and unmanned aerial vehicles. An assessment of landmine issues which have become a high visibility issue due to the humanitarian problem from the irresponsible use by third world countries.

**Quality People.** We must ensure that the Army is fully manned by high quality soldiers and civilians who have required competence, ability, and experience to perform demanding and complex tasks in peace and war. Studies are needed to identify and support requirements in automation and the personnel distribution systems that sustain the Force XXI Army. Analysis can help refine civilian requirements for mobilization, war and OOTW (U.S. nationals, host nation, contractors, etc.). The study program can support quality soldiers by analyzing options and exploring alternatives in the personnel lifecycle. Specifically, an examination is needed of new methods in acquiring, structuring, distributing, sustaining, and separating the force. Analysis should examine Human Resource Approaches to foster new relationships resulting from reengineering and restructuring.

**Logistics and Sustainment.** An examination of logistics paradigms by Army analysis would help to determine which practices support Force XXI focus. In doing this, the impetus should be shifted from echelon support to one of projecting and sustaining force capability in the battlespace of future conflicts or operations other than war. An analysis is needed of Echelons Above Division (EAD) CS/CSS force structure in



support of Division XXI with goal of reducing the CS/CSS footprint. Operations analysis can be of use to examine materiel in support of Division/Corps XXI (both digitized and split based operations), to quantify systems critical to the overall warfight. Studies are needed which analyze the Defense Industrial Base to determine the extent to which it is capable of meeting the surge and the reconstitution requirements espoused in the Defense Planning Guidance. Also, industrial preparedness must be looked at to ensure the capability to transition to wartime production for selected high consumption items and to conduct reconstitution. Logistics planners need analyses and studies that provide specific recommendations to enhance synchronization of logistics performance across the entire force and provide analytic support for developing supply and maintenance operations into an integrated process. The Army's ability to reconstitute, in light of continual downsizing efforts, needs thorough examination. If reconstitution is still valid, determine what doctrine and procedures need to be updated.

**Intelligence.** The intelligence community needs analyses which explore ways to modernize and improve military intelligence (MI) forces to support a CONUS-based power projection Army and achieve balance across the five modernization objectives with particular emphasis on protecting the force, conducting precision strikes and winning the information war. It requires research into how the intelligence system can present information to commanders so they can best understand and investigate the ability of Force XXI leaders to

digest and assimilate, on a real-time bases, complete or nearly complete intelligence and provide insights into ways to improve this process (virtual reality, heads-up and personal displays). Identifying where the lack of standardization is limiting the effectiveness of Army imagery intelligence, including, security, message format, printer, dissemination process, and exchanging graphic displays, should be researched.

**Information Operations.** Investigations of Information Operations (IO) should emphasize Information Warfare (IW) and Command and Control Warfare (C2W). Analyze the contribution made by information operations in support of Army and Joint operations, especially as related to IO's contribution to achieving information dominance would enhance Army's capability in this area. The possible impact of IO on the redesign of the Institutional/TDA Army; Digitization of the Battlefield; Force Structure, Mix and Training; Modernization; Quality People; Supply and Maintenance; and Resource Management should be explored. Studies must support development of a coherent Army policy and strategy for Information Operations to support Army force developers, operators, and trainers. To this end, they need specification of the contribution of IO to the successful accomplishment of the Army mission, the potential tradeoffs between offensive and defensive IW/C2W initiatives, the shortfalls for all aspects of IO, and the methods for integrating IO into Army training, plans, and operations.

**Requirements and Resourcing.** Studies in this area should explore



methods for managing resources within budget, optimizing both fiscal and personnel resources, so that requirements of contingency operations have a minimum impact upon other Army accounts, especially resources required for training. Developing a means to evaluate whether public/private competition programs conserve or add to scarce human resources would aid Army leaders in deciding how to press these initiatives. The processes and documents used to establish strategic and resourcing priorities for the Planning, Programming and Budgeting System (PPBS) prioritization would benefit from close examination. These studies should focus on redefining, streamlining, consolidating and/or integrating related processes and documents, such as the Chairman's Program Assessment (CPA), the Joint Planning Documents (JPDS), the Chairman's Program Review (CPR), Integrated Priorities List (IPLS), the Joint Requirements Oversight Council (JROC) and the Joint Warfighting Capability Assessments (JWCAs). Army leaders will need analyses of Joint Warfighting Capabilities Assessment (JWCA) issues to ensure proper Army inputs to the Joint Requirements Oversight Council (JROC). The JROC

identifies a different group of issues for each JWCA area to study during each six-month JROC cycle.

## ISSUES ADDRESSED

To respond to the needs identified by the Army community, the Study Program Management Office has set a lower bound for the proportion of Army studies devoted to directly addressing the outlined critical issues of 25 percent. The percentages are determined using all planned and ongoing studies. The table below reports the numbers and percentages of studies for each critical issue derived from the FY 97 issue assessment process.

- Forty-one percent of the studies (or 105 out of 257) in the FY 97 program address critical issues. This almost doubles the targeted amount.
- As in the FY 96 study program, the issue which had the largest representation in this year's program was Modernization capturing about 17 percent of the planned projects. This proportion was significantly down from the 42 percent reported last year.

## STUDIES BY CRITICAL ISSUE

CRITICAL ISSUE	N	N%
Redesign of I/TDA Army	20	7.8
Digitization of Battlefield	8	3.1
Force Structure and Mix	22	8.6
Modernization	43	16.7
Quality People	7	2.7
Logistics & Sustainment	21	8.2
Information Operations	6	2.3
Requirements & Resourcing	12	4.7
Other	2	0.8



- The issue of Force Structure and Force Mix was second in representation with just under nine percent of the studies, while the category of Logistics and Sustainment was a close third (eight percent).

- Just under eight percent of studies addressing critical issues focused on

Redesign of Institutional/TDA Army issues. This reflects the significant organizational change the Army continues to experience.

- The Other category includes International Activities, Intelligence (one planned project each), and Space.



**CHAPTER 4**  
**ALPHABETIC LISTING OF FY 97 STUDIES**  
**BY STUDY SPONSOR**

This chapter provides an alphabetic listing, by study sponsor, of all studies contained in the FY 97 Army Study Program. The listing contains the project title, PUIIC, Defense Technical Information Center (DTIC) number, contract number, study sponsor, performer, and a brief narrative of the scope of the study.



FY97 ARMY STUDY PROGRAM  
LIST BY SPONSOR

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SPONSOR: AMC

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PROJECT TITLE: ENVIRONMENTAL DATA BASE MANAGEMENT

PUIC: AMCENM003

UPGRADE AND EXPAND THE COMMAND'S ENVIRONMENTAL INFORMATION MANAGEMENT AND REPORTING SYSTEM.

DTIC NUMBER: 9TN60A

CONTRACT NUMBER:

SPONSOR: AMC

PERFORMER: To Be Determined

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PROJECT TITLE: SMART LASER BEAMRIDER PRECISION-GUIDEDMUNITIONS STUDY

PUIC: AMSMIP010

EVALUATE LASER BEAMRIDER CM/CCM TECHNOLOGY & FUTURE

DTIC NUMBER: N/A

CONTRACT NUMBER: DAAH0194CC089

SPONSOR: AMC

PERFORMER: AMC-SWMO

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PROJECT TITLE: DEVELOPMENT OF MULTI-USER CAMOUFLAGE, CONCEALMENT & DECEPTION MANUAL

PUIC: AMSMIP02

MANUAL TO DETERMINE EFFECTIVENESS OF CAMOUFLAGE, CONCEALMENT & DECEPTION.

DTIC NUMBER: F3M21C

CONTRACT NUMBER: DACA3993C0027

SPONSOR: AMC

PERFORMER: SWMO/USAEWES

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PROJECT TITLE: ADVANCED SIGNAL PROCESSING STUDY

PUIC: AMSMIP024

STUDY WILL IDENTIFY CANDIDATE SIGNAL PROCESSING TECHNIQUES APPLICABLE TO SMART WEAPONS DEVELOPMENT.

DTIC NUMBER: 9TN52C

CONTRACT NUMBER: DLA90093D0011

SPONSOR: AMC

PERFORMER: AMC SWMO/GACIAC

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PROJECT TITLE: SMART LASER BEAMRIDER PRECISION-GUIDEDMUNITIONS STUDY

PUIC: AMSMIP09

EVALUATE LASER BEAMRIDER CM/CCM TECHNOLOGY & FUTURE

DTIC NUMBER: N/A

CONTRACT NUMBER: DAAH0194CC089

SPONSOR: AMC

PERFORMER: AMC-SWMO

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PROJECT TITLE: ADVANCED SIGNAL PROCESSING STUDY

PUIC: AMSMIP124

STUDY WILL IDENTIFY CANDIDATE SIGNAL PROCESSING TECHNIQUES APPLICABLE TO SMART WEAPONS DEVELOPMENT.

DTIC NUMBER: 9TN52C

CONTRACT NUMBER: DLA90093D0011

SPONSOR: AMC

PERFORMER: AMC SWMO/GACIAC

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FY97 ARMY STUDY PROGRAM  
LIST BY SPONSOR

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SPONSOR: AMC

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PROJECT TITLE: JOINT PRECISION STRIKE DIGITAL CONNECTIVITY STUDY

PUIC: AMSMIP224

DETERMINE DEDICATED DIGITAL LINKS REQUIRED FOR COMMUNICATION/FUSION OF  
TARGET DETECTION.

DTIC NUMBER: 9T021C

CONTRACT NUMBER: DLA90093D0011

SPONSOR: AMC

PERFORMER: AMC-SWMO/GACIAC

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PROJECT TITLE: DEVELOPMENT OF SMART WEAPONS AIMPOINT ERROR CALCULATION METHODOLOGY

PUIC: AMSMIP225

DETERMINE EFFECTIVENESS OF SMART WEAPONS SYSTEMS IN BATTLEFIELD  
ENVIRONMENT ALLOWING DESIGNERS TO BUILD MORE EFFECTIVE SYSTEMS.

DTIC NUMBER: F3P53C

CONTRACT NUMBER: DAAH0191DR006

SPONSOR: AMC

PERFORMER: AMC-SWMO

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PROJECT TITLE: SMART WEAPONS REPROGRAMMING TECHNIQUES STUDY

PUIC: AMSMIP24A

DOCUMENT TECHNIQUES FOR IMPLEMENTING REPROGRAMMABILITY FOR PROJECTILES,  
ROCKETS, AND MISSILES USING HORIZONTAL TECHNOLOGY INTEGRATION

DTIC NUMBER: 9TN58E

CONTRACT NUMBER: DLA90093D0011

SPONSOR: AMC

PERFORMER: AMC-SWMO/GACIAC

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PROJECT TITLE: JOINT PRECISION STRIKE DIGITAL CONNECTIVITY STUDY

PUIC: AMSMIP24B

DETERMINE DEDICATED DIGITAL LINKS REQUIRED FOR COMMUNICATION/FUSION OF  
TARGET DETECTION.

DTIC NUMBER: 9T021C

CONTRACT NUMBER: DLA90093D0011

SPONSOR: AMC

PERFORMER: AMC-SWMO/GACIAC

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PROJECT TITLE: DEVELOPMENT OF SMART WEAPONS AIMPOINT ERROR CALCULATION METHODOLOGY

PUIC: AMSMIP25A

DETERMINE EFFECTIVENESS OF SMART WEAPONS SYSTEMS IN BATTLEFIELD  
ENVIRONMENT ALLOWING DESIGNERS TO BUILD MORE EFFECTIVE SYSTEMS.

DTIC NUMBER: F3P53C

CONTRACT NUMBER: DAAH0191DR006

SPONSOR: AMC

PERFORMER: AMC-SWMO

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PROJECT TITLE: NETWORK FOR SMART WEAPONS EFFECTIVENESS AGAINST BATTLEFIELD EFFECTS

PUIC: AMSMIP25B

DEVELOP ALGORITHM FOR NETWORK SOFTWARE THAT WILL PROVIDE SINGLE  
PROBABILITY CALCULATIONS FOR SMART WEAPONS.

DTIC NUMBER: F3P46A

CONTRACT NUMBER: DAAH0191DR006

SPONSOR: AMC

PERFORMER: SWMO/TWISTIAC

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FY97 ARMY STUDY PROGRAM  
LIST BY SPONSOR

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SPONSOR: AMC

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PROJECT TITLE: OPTICAL BAR CODING TECHNOLOGY

PUIC: AMSMIP25C      STUDY OF OPTICAL BAR CODING TO ACHIEVE HIGH FIDELITY IFF FOR WEAPONS  
DTIC NUMBER: F3P40B      SYSTEMS.  
CONTRACT NUMBER: DAAH0191DR006  
SPONSOR: AMC  
PERFORMER: AMC-SWMO

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PROJECT TITLE: ENVIRONMENTAL EFFECTS FOR DISTRIBUTED INTERACTIVE SIMULATION (DIS)

PUIC: AMSMIP25D      PROGRAM TO GENERAL ALGORITHMS FOR 3-D ENVIRONMENTAL EFFECTS  
DTIC NUMBER: F3L42B  
CONTRACT NUMBER: DAAH0191DR006  
SPONSOR: AMC  
PERFORMER: AMC-SWMO

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PROJECT TITLE: OPTICAL BAR CODING TECHNOLOGY

PUIC: AMSMIP325      STUDY OF OPTICAL BAR CODING TO ACHIEVE HIGH FIDELITY IFF FOR WEAPONS  
DTIC NUMBER: F3P40B      SYSTEMS.  
CONTRACT NUMBER: DAAH0191DR006  
SPONSOR: AMC  
PERFORMER: AMC-SWMO

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PROJECT TITLE: SMART WEAPON TECHNOLOGY INVESTMENT IN THE FUTURE

PUIC: AMSMIP504      WILL FACILITATE EXISTING RDA PROCESS, IDENTIFY TECH PROGRAMS UNDERWAY  
DTIC NUMBER: N/A      WITHIN ALL SERVICES, DOD AND NASA  
CONTRACT NUMBER: DAAH0194CC089  
SPONSOR: AMC  
PERFORMER: AMC-SWMO

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PROJECT TITLE: FIRE SUPPORT WEAPON FOR FORCE XXI

PUIC: AMSMIP505      THIS EFFORT DIRECTLY RELATES TO THE MODERNIZATION ISSUE AND WILL ENHANCE  
DTIC NUMBER: 4T67D3      THE ARMY'S CAPABILITY TO CONDUCT PRECISION STRIKES ACROSS THE BATTLEFIELD  
CONTRACT NUMBER: NONE  
SPONSOR: AMC  
PERFORMER: AMC-SWMO

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PROJECT TITLE: SMART WEAPON COUNTERMEASURE BY ACTIVE CONTRAST

PUIC: AMSMIP507      CONCLUSIONS OF THE STUDY WILL INCLUDE A PRELIMINARY ESTIMATE OF CONCEPT  
DTIC NUMBER: 9TD50C      FEASIBILITY, RECOMMENDATIONS FOR DEVELOPMENT AND A PLAN FOR AN  
CONTRACT NUMBER: DAAH0194CC089      ATDPROGRAM.  
SPONSOR: AMC  
PERFORMER: AMC-SWMO

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FY97 ARMY STUDY PROGRAM  
LIST BY SPONSOR

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SPONSOR:            AMC

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PROJECT TITLE: ENHANCEMENT GUIDELINES FOR PRECISION-GUIDED MORTAR

PUIC: AMSMIP508  
DTIC NUMBER: 4FL51C  
CONTRACT NUMBER: DAAH0194CC089  
SPONSOR: AMC  
PERFORMER: AMC-SWMO

STUDY WILL REVIEW PGMM SUBSYSTEM PARAMETERS, SENSITIVITY TO THREAT PROJECTIONS AND PROBABLE CONFLICT SCENARIOS. REPORT WILL DOCUMENT ASSESSMENT OF PGM PERFORMANCE.

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PROJECT TITLE: USE OF THE ARMY DEVELOPMENT TECH BASE

PUIC: AMSMIQ503  
DTIC NUMBER: 9TL52C  
CONTRACT NUMBER: DAAH0194CC089  
SPONSOR: AMC  
PERFORMER: AMC-SWMO

GUIDE FOR GOVT & CONTRACTORS ON TECH PUB, PROCEDURES, & RECOMMENDED TRNG COURSE FOR LAB SCIENTISTS AND OFFICE ENGINEERS

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PROJECT TITLE: TECHNOLOGY ASSESSMENT FOR MMW SENSORS AND FORCE XXI

PUIC: AMSMIQ506  
DTIC NUMBER: 9GH50D  
CONTRACT NUMBER: DAAH0194CC089  
SPONSOR: AMC  
PERFORMER: AMC SWMO

WILL IDENTIFY RELATED ONGOING AND PLANNED PROGRAMS WHICH COULD USE MMW TARGET ACQUISITION SENSORS.

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PROJECT TITLE: ADVANCED AMPHIBIOUS ASSAULT VEHICLE-ARMAMENT ANALYSIS

PUIC: AMSSTP001  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: AMC  
PERFORMER: To Be Determined

ANALYSIS (ITEM LEVEL & FORCE MODELING) TO ASSIST DRPM IN THE DEVELOPMENT OF THE APPROPRIATE ARMAMENT SYSTEM FOR THE AAHV.

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PROJECT TITLE: ATDCMS BLOCK 1A IN-FLIGHT SURVIVABILITY STUDY

PUIC: AMSSTP002  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: AMC  
PERFORMER: AMSAA

STUDY SUPPORTS MILESTONE III DECISION. DETERMINE IF BLK 1A IN-FLIGHT SURVIVABILITY MEETS EXIT CRITERIA. COMPARE CHARACTERISTICS OF BLK 1/1A (FLIGHT PATHS, RADAR CROSS SECTION, & VULNER TO BLAST/FRAGMENT EFFECTS). GENERATE 1-ON-1 LETHALITY FOOTPRINTS FOR 2 THREAT AIR DEF SYS AGAINST BLK 1/1A MISSILES. DETERMINE SURVIVABILITY, BLK 1/1A MISSILES IN MANY-ON-MANY SCENARIO.

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PROJECT TITLE: CASTFOREM COMBAT ID METHODOLOGY DEVELOPMENT

PUIC: AMSSTP003  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: AMC  
PERFORMER: AMSAA

STUDY WILL REVIEW INFORMAITON-BASED DECISION MODULE AND MIS-IDENTIFICATION METHODOLOGY FOR USE IN COMBAT ID COST AND OPERATIONAL EFFECTIVENESS ANALYSIS (COEA) AND TASK FORCE XXI. SENSITIVITIES ANALYSIS WILL BE PERFORMED USING CASTFOREM AS PART OF THE VALIDATION AND VERIFICATION PROCESS.



FY97 ARMY STUDY PROGRAM  
LIST BY SPONSOR

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SPONSOR: AMC

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PROJECT TITLE: CHEM-DEMIL (ALTERNATE TECHNOLOGIES)

PUIC: AMSSTP004      STUDY WILL EVALUATE SELECTED CHEMICAL DEMILITARIZATION TECHNOLOGIES WITH  
DTIC NUMBER:      REGARD TO THEIR ABILITY TO DESTROY AND DISPOSE OF BULK CHEMICAL AGENTS  
CONTRACT NUMBER:      STORED AT ABERDEEN PROVING GROUND, MD AND NEWPORT, IN.  
SPONSOR: AMC  
PERFORMER: AMSAA

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PROJECT TITLE: CHEM-DEMIL (BASELINE INCINERATION)

PUIC: AMSSTP005      STUDY WILL EVALUATE EFFICIENCY OF BASELINE INCINERATION SYSTEMIZATION AT  
DTIC NUMBER:      TOOELE AND INITIATE THE TEST AND EVALUATION PLANS FOR THE ANNISTON  
CONTRACT NUMBER:      SYSTEMIZATION.  
SPONSOR: AMC  
PERFORMER: AMSAA

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PROJECT TITLE: CONTRACTOR PERFORMANCE CERTIFICATION PROGRAM (CP)2 VS ISO 9001

PUIC: AMSSTP006      ARMY HAS DEVELOPED A QUALITY SYSTEM CALLED CONTRACTOR PERFORMANCE  
DTIC NUMBER:      CERTIFICATION PROGRAM. WE ARE CONDUCTING A COMPARISON OF (CP)2 TO TWO  
CONTRACT NUMBER:      OTHER QUALITY SYSTEMS, ISO 9001 AND QS 9000 (BIG 3 AUTOMAKERS). ALSO  
SPONSOR: AMC      TRYING TO ANALYZE WHETHER ARMY'S (CP)2 CAN BE ABANDONED IN FAVOR OF  
PERFORMER: AMSAA-LAD      EITHER COMMERCIAL QUALITY SYSTEM CERTIFICATION PROGRAM, OR WHETHER TO  
CHANGE (CP)2.

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PROJECT TITLE: CRUSADER PERFORMANCE ANALYSIS

PUIC: AMSSTP007      STUDY WILL INVESTIGATE THE PERFORMANCE ENVELOPE OF THE OBJECTIVE CRUSADER  
DTIC NUMBER:      PLATFORM.  
CONTRACT NUMBER:  
SPONSOR: AMC  
PERFORMER: AMSAA

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PROJECT TITLE: HMMWV VERSUS LMTV

PUIC: AMSSTP009      STUDY WILL INVESTIGATE THE OPERATIONAL TRADE-OFFS INVOLVED IN CARRYING  
DTIC NUMBER:      THE LARGEST S-250 SHELTER SYSTEM ON A LMTV VS A HMMWV.  
CONTRACT NUMBER:  
SPONSOR: AMC  
PERFORMER: AMSAA

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PROJECT TITLE: INTEGRATED UNIT SIMULATION SYSTEM/CLOSE ACTION ENVIRONMENT COMPARISON

PUIC: AMSSTP010      COMPARE THE AMERICAN IUSS AND THE BRITISH CAEN DISMOUNTED INFANTRY MODELS  
DTIC NUMBER:      BY RUNNING SAME SCENARIOS WITH BOTH MODELS ON SAME TERRAIN.  
CONTRACT NUMBER:  
SPONSOR: AMC  
PERFORMER: AMSAA/CED/MMB/MD

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FY97 ARMY STUDY PROGRAM  
LIST BY SPONSOR

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SPONSOR: AMC

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PROJECT TITLE: INVESTIGATION OF CYCLE CRITERIA FOR DETECTION USING GROUNDWARS

PUIC: AMSSTP011

DTIC NUMBER:

CONTRACT NUMBER:

SPONSOR: AMC

PERFORMER: AMSAA/CED/MMB

COMPARISONS OF LAB PERCEPTION DATA AND FIELD TEST WITH ACQUIRE EQUATIONS FROM NVESD SHOWS LARGE DIFFERENCES. AMSAA WILL INVESTIGATE IMPACT IN A FORCE-LEVEL COMBAT SIMULATION.

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PROJECT TITLE: MIS-IDENTIFICATION CHARACTERIZATION

PUIC: AMSSTP012

DTIC NUMBER:

CONTRACT NUMBER:

SPONSOR: AMC

PERFORMER: AMSAA

STUDY TO CHARACTERIZE FREQUENCY OF MIS-IDENTIFICATIONS; DEV FRIENDLY VS HOSTILE "CONFUSION MATRIX" FOR COMBAT SIMULATIONS; DEV COMPLETE VEHICLE-SPECIFIC CONFUSION MATRIX. BACKGROUND: ARMY FORCE-ON-FORCE MODELS ASSUME A TARGET THAT'S IDENTIFIED IS CORRECTLY IDENTIFIED. FRATRICIDE ON THE BATTLE- FIELD & OBSERVATIONS FROM TESTS (E.G., DISSTAF) SHOW THAT MIS-ID DOES OCCUR

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PROJECT TITLE: MOVEMENT ALGORITHM STUDY

PUIC: AMSSTP013

DTIC NUMBER:

CONTRACT NUMBER:

SPONSOR: AMC

PERFORMER: AMSAA

STUDY WILL INVESTIGATE THE CAPABILITY/STATUS OF MOVEMENT ALGORITHMS FOR MODELING GROUND, AIR PLATFORMS, AND PEOPLE IN ARMY MODELS AND SIMULATORS.

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PROJECT TITLE: PARASESAME

PUIC: AMSSTP014

DTIC NUMBER:

CONTRACT NUMBER:

SPONSOR: AMC

PERFORMER: AMSAA-LAD

SIMULATION TECHNOLOGY FUNDED PROJECT TO IMPLEMENT A PARALLEL VERSION OF SELECTED ESSENTIAL ITEM STOCK FOR AVAILABILITY METHOD (SESAME) USED FOR REQUIREMENTS DETERMINATION/EVALUATION. THE ADVENT/MATURATION OF MASSIVELY PARALLEL COMPUTER ARCHITECTURE AND SOFTWARE PROVIDES AN OPPORTUNITY TO DEVISE/IMPLEMENT PARALLEL ALGORITHM FOR RAPID SOLUTION OF LARGE NONLINEAR ...

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PROJECT TITLE: PHYSICS OF FAILURE - MANUFACTURING SCIENCE & TECHNOLOGY

PUIC: AMSSTP015

DTIC NUMBER:

CONTRACT NUMBER:

SPONSOR: AMC

PERFORMER: AMSAA-LAD

POF IS AN APPROACH TO IMPROVING RELIABILITY BY FOCUSING ON ROOT CAUSE OF FAILURE & TRYING TO DESIGN ROBUSTNESS INTO SYSTEMS. WE ARE PARTICIPATING IN TRI-SERVICE PROJECT WHERE WE ARE EXAMINING A RADIO USED ON PLATFORMS OF ALL THREE SERVICES. OBJECTIVE OF PROJECT IS TO DETERMINE VALIDITY OF POF SOFTWARE TOOLS FOR USE IN PREDICTING OPERATIONAL LIFE OF CIRCUIT CARD ...

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PROJECT TITLE: PREPO AUTOMATED MAINTENANCE MANAGEMENT SYSTEM (PAMMS)

PUIC: AMSSTP016

DTIC NUMBER:

CONTRACT NUMBER:

SPONSOR: AMC

PERFORMER: AMSAA-LAD

AMSAA HAS DEVELOPED A PROCESS FOR AUTOMATING 2404 MAINTENANCE DATA. PAMMS, A MICROCOMPUTER MENU DRIVEN SYS DESIGNED FOR USE WITH WAR RESERVE WEAPONS SYSTEMS, INTEGRATES THE DATABASE & ANALYSIS CAPABILITIES OF AMSAA'S FIELD EXERCISE DATA COLLECTION WITH FIELD DATA ENTRY & FEEDBACK UTILITIES OF ARMY'S LOGBOOK AUTOMATION SYSTEM (LAS); WILL PROVIDE MAINTENANCE SUPPORT...



FY97 ARMY STUDY PROGRAM  
LIST BY SPONSOR

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SPONSOR: AMC

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PROJECT TITLE: PROCUREMENT LEAD TIME (PROLT)

PUIC: AMSSTP017  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: AMC  
PERFORMER: AMSAA-LAD

HQAMC REQUESTED INDEPENDENT ASSESSMENT OF POTENTIAL SAVINGS ATTRIBUTED TO PROLT REDUCTIONS (BECAUSE COST SAVINGS WHICH HAD BEEN PROJECTED, USING BUDGET STRAT (BS), OVERESTIMATED ACTUAL PROLT REDUCTION SAVINGS). BS INCLUDE BOTH ON-HAND & ON-ORDER ASSETS (ARMY ONLY OWNS ASSETS ON-HAND, NOT THOSE DUE FROM PROCUREMENT). AMSAA HAS DEVELOPED NSN PERF ANALYZER WHICH PROJECTS

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PROJECT TITLE: RADIO FREQUENCY (RF) TAG ANALYSIS

PUIC: AMSSTP019  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: AMC  
PERFORMER: AMSAA-LAD

STUDY IS A DATA COLLECTION AND ANALYSIS WHICH LOOKS AT THE PERFORMANCE OF RADIO FREQUENCY TAGS TO PROVIDE IN-TRANSIT VISIBILITY TO LOGISTICS SHIPMENTS OF CONTAINERS FROM DEPOT TO RECEIVING UNIT AND RETURN. PERCENT OF SHIPMENTS ACCURATELY TRACKED WILL BE MEASURED AND POTENTIAL REASONS FOR LOSS OF VISIBILITY WILL BE ANALYZED.

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PROJECT TITLE: READINESS BASED SPARING (RBS) TEST AT FORT CARSON

PUIC: AMSSTP020  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: AMC  
PERFORMER: AMSAA-LAD

A 1-YR TEST OF RBS SUSTAINMENT MODEL (SCHED 1 FEB 97, FT. CARSON, IS ON HOLD. DESIGNATED TEST UNIT IS THE 3D BRIGADE OF 4TH INFANTRY DIV. FINAL RBS ASL WAS DEVELOPED THRU ITERATIVE PROCESS WITH FUNCTIONAL EXPERTS AT FT. CARSON. RBS ASL INCREASED THE ASL LINES FROM 1,732 TO 3,091 WITH A \$5M DECREASE IN REQUISITIONING OBJECTIVE VALUE FROM 16.9M TO 11.9M.

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PROJECT TITLE: SEARCH & TARGET ACQUISITION MODELS OF HUMAN RESPONSE TO MOVING GROUND

PUIC: AMSSTP021  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: AMC  
PERFORMER: To Be Determined

ANALYZE EFFECTS OF TARGET MOTION BY COMPARING TEST TO STA MODEL (ACQUIRE AND ORACLE) ESTIMATES. STA HAS FOCUSED ON STATIONARY TARGETS VS SEARCHING FOR/ACQUIRING MOVING GROUND TARGETS. WHEN MODELING TARGET MOTION IN ACQUIREMODEL, WE COMPENSATE FOR TARGET MOTION BY REDUCING DETECTION CRITERION TO HALF THE RECOMMENDED DETECTION STANDARD. TWO DATA SOURCES ARE IDENTIFIED.

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PROJECT TITLE: TASK EXTENDED RANGE MUNITIONS (TERM)

PUIC: AMSSTP023  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: AMC  
PERFORMER: To Be Determined

STUDY WILL EVALUATE 7 ALTERNATIVES FOR TANK MUNITIONS. ANALYSIS OF THE ALTERNATIVES WILL FOCUS ON ITEM LEVEL PERFORMANCE, TECHNICAL RISK, AND COMBAT PERFORMANCE IN FORCE-ON-FORCE MODELS. BASED ON THESE ANALYSES, ONE ALTER NATIVE WILL BE SELECTED FOR AN ADVANCED TECHNOLOGY DEMONSTRATION AND POSSIBLE FURTHER DEVELOPMENT.

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PROJECT TITLE: VELOCITY MANAGEMENT

PUIC: AMSSTP024  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: AMC  
PERFORMER: To Be Determined

VELOCITY MANAGEMENT (VM) PROVIDES LOG SUPPORT TO GET ITEMS TO THE SOLDIER FASTER & MORE CONSISTENTLY. AMSAA IS QUANTIFYING READINESS AND SUSTAINMENT MEASURES & PROVIDING ANALYTICAL SUPPORT AS NECESSARY IN THE DEVELOPMENT OF F CYCLE TIME/COST MEASURES. AMSAA'S ROLE IS EXPECTED TO EXPAND TO INDEPENDENT EVALUATOR, FOCUSING ON DEVELOPMENT OF METRICS & BASELINES...

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FY97 ARMY STUDY PROGRAM  
LIST BY SPONSOR

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SPONSOR: ASA (FM&C)

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PROJECT TITLE: REENGINEERING PROGRAM AND BUDGET PROCESSES

PUIC: SAFMBR001  
DTIC NUMBER:  
CONTRACT NUMBER: DASW0195C0019  
SPONSOR: ASA (FM&C)  
PERFORMER: LMI

THIS CONTINUES AN ONGOING EFFORT TO ANALYZE EMERGING CONSTRUCTS AND PROCEDURES RECENTLY DEVELOPED BY HQDA, TO DETERMINE HOW THEY SHOULD BE INCORPORATED INTO EXISTING BUDGET PROCESSES. THIS INCLUDES RESTRUCTURING PEGS, REVISING PROCEDURES FOR DEVELOPING AND COSTING THE CIVILIAN MANPOWER PROGRAM, AND MERGING OF POM DEVELOPMENT AND BUDGET FORMULATION.

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SPONSOR: ASA (M&RA)

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PROJECT TITLE: DESIGNING AND APPLYING CIVILIAN SUBSTITUTION PROGRAMS

PUIC: SAMRCQ001  
DTIC NUMBER:  
CONTRACT NUMBER: DASW01-95-F-0  
SPONSOR: ASA (M&RA)  
PERFORMER: Booz Allen

DEVELOP INSTITUTIONAL ARMY CIVILIAN SUBSTITUTION OPTIONS TO FREE MILITARY POSITIONS FOR FORCE RESTRUCTURING IN THE FORCE XXI STRATEGIC ARMY. SUBSTITUTION MODELS ARE BASED ON TIME-PHASED RESTRUCTURING REQUIREMENTS NECESSARY TO MEET MILITARY REDUCTIONS AND FORCE XXI FORCE STRUCTURING REQUIREMENTS.

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PROJECT TITLE: APPLICATION OF EXISTING HR AUTOMATED SYSTEMS FOR ARMY USE

PUIC: SAMRCQ002  
DTIC NUMBER:  
CONTRACT NUMBER: DASW01-95-F-0  
SPONSOR: ASA (M&RA)  
PERFORMER: Booz Allen

EVALUATE EXISTING WORK FORCE MANAGEMENT AUTOMATED MODELS FOR ARMY APPLICATION, SUCH AS THE NAVY MODELS FOR SHIPYARDS AND INDUSTRIAL FACILITIES. WILL PROVIDE CAPABILITIES TO MODEL AND RESIZE ARMY INDUSTRIAL FUNCTIONS AND HR REQUIREMENTS TO SUPPORT FORCE XXI CHANGES AT MINIMUM COST.

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PROJECT TITLE: DEVELOPING HUMAN RESOURCE POLICY & MGMT APPROACHES RE CIV DOWNSIZING

PUIC: SAMRCQ004  
DTIC NUMBER:  
CONTRACT NUMBER: DASW01-95-F-0  
SPONSOR: ASA (M&RA)  
PERFORMER: Booz Allen

DEVELOP AND ASSESS PRIVATE SECTOR DOWNSIZING APPROACHES USED WHEN LARGE ORGANIZATIONS ARE FORCED TO DOWSIZE. NEW ARMY HR POLICIES, MANAGEMENT APPROACHES AND INSTITUTIONAL ARMY REDESIGN TECHNIQUES FOR DOWNSIZING CAPABILITIES ARE REQUIRED TO MEET FORCE XXI TIME-PHASED REQUIREMENTS.

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PROJECT TITLE: EVALUATION OF WORKLOAD PLANNING SYSTEMS FOR MAINTENANCE DEPOTS

PUIC: SAMRR006  
DTIC NUMBER: unique  
CONTRACT NUMBER:  
SPONSOR: ASA (M&RA)  
PERFORMER: TBD

EVALUATE AN EXISTING NAVY AUTOMATED WORKLOAD PLANNING SYSTEM BY CONDUCTING PROTOTYPE DEMONSTRATIONS AT MULTIPLE AMC MAINTENANCE DEPOTS. INITIAL DEMO CONDUCTED AT CCAD SHOWS SYSTEM HAS HIGH POTENTIAL FOR MEETING ARMY REQUIREMENTS FOR A WORKLOAD-BASED PERSONNEL REQUIREMENTS SYSTEM CAPABLE OF SUPPORTING MULTIPLE ORG LEVELS IN SIZING AND ALLOCATING CIVILIAN WORKFORCE.

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SPONSOR: ASA (RDA)

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PROJECT TITLE: IMPROVED NIGHT REPRESENTATION FOR SEARCH IN COMBAT MODELS

PUIC: SARDAP001  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: ASA (RDA)  
PERFORMER: TRAC-WSMR

STUDY PROPOSES TO CAPTURE SET OF IMAGERY SIMULATING ARTILLERY FLARE ILLUMINATED TERRAIN, TO CONDUCT LIMITED SET OF OBSERVER EXPERIMENTS USING IMAGERY, AND TO INTEGRATE RESULTS INTO CONTEXT OF A SEARCH SIMULATION DEVELOPED UNDER THE TAMIP/ACQSIM PROGRAMS. WILL PRODUCE A HIGH RESOLUTION MODEL TO GENERATE PARAMETERS TO DRIVE SEARCH REPRESENTATION IN COMBAT MODELS.



FY97 ARMY STUDY PROGRAM  
LIST BY SPONSOR

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SPONSOR: ASA (RDA)

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PROJECT TITLE: COMBAT ID, VALUE ADDED ANALYSIS

PUIC: SARDAP004  
DTIC NUMBER:  
CONTRACT NUMBER: DASG60-89-C-0  
SPONSOR: ASA (RDA)  
PERFORMER: PM COMBAT ID

BUILD ON FY95 PHASE1 (FUNCTIONAL ANALYSIS, AUTOMATED FRATRICIDE DATA BASE) PRODUCTS TO IDENTIFY RELATIONSHIPS BETWEEN TARGET ID AND SITUATIONAL AWARENESS, DETERMINE FUNCTIONAL FIT ON TACTICAL BATTLEFIELD, ASSESS IMPACT ON ENGAGEMENT ENHANCEMENT AND FRATRICIDE REDUCTION, EXAMINE POTENTIAL FOR NEURAL NETWORKING IN COMBAT ID PROCESS, DERIVE "VALUE ADDED" TO FORCE EFF.

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SPONSOR: BMDO

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PROJECT TITLE: PEELS ACCREDITATION STUDY

PUIC: AMSAMP011  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: BMDO  
PERFORMER: To Be Determined

STUDY SUPPORTS ACCREDITATION EFFORTS OF PEELS VER 6.2, THAAD MILESTONE II PROG PHASE. AMSAA'S FOCUS IS ON PERFORMING COMPARATIVE ANAL OF PEELS RESULTS, HYDROCODE RESULTS & TEST RESULTS TO DETERMINE PEELS SUITABILITY FOR ACCREDITATION. RESULTS: PEELS HAS BEEN GRANTED ACCREDITATION FOR USE IN THAAD MILESTONE II PROG; WILL PROVIDE LETHALITY ESTIMATION CAPABILITY F/PROG.

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SPONSOR: DAAR-PAE

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PROJECT TITLE: RESOURCING FACTORS AND CONSIDERATIONS WHEN RESOURCING FOR READINESS

PUIC: DAARPR01A  
DTIC NUMBER: TBD  
CONTRACT NUMBER: TBD  
SPONSOR: DAAR-PAE  
PERFORMER: TBD

THE OBJECTIVE OF THIS STUDY IS TO PROVIDE RESOURCING FACTORS AND CONSIDERATIONS WHEN RESOURCING FOR READINESS. IF A LINK CAN BE ESTABLISHED BETWEEN DOLLAR RESOURCING AND READINESS LEVELS, DETERMINATIONS MAY BE MADE ABOUT READINESS IMPACTS WHEN SUBJECT TO INCREASES AND DECREASES. IDENTIFY KEY ELEMENTS, CRITICAL FACTORS, DETERMINE DEPENDENCE LEVEL AND DEGREE LINKED.

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PROJECT TITLE: UNIT READINESS IMPACTS OF UNSATISFACTORY PARTICIPANTS IN TPUS

PUIC: DAARPR02A  
DTIC NUMBER: TBD  
CONTRACT NUMBER: TBD  
SPONSOR: DAAR-PAE  
PERFORMER: NAVAL POSTGRAD

THE OBJECTIVE OF THIS STUDY IS TO PROVIDE NEW OR REVISED ACCESSIONS AND PERSONNEL POLICIES FOR MANAGING UNSATISFACTORY PARTICIPANTS. THIS INCLUDES POTENTIAL SCREENS FOR IDENTIFYING MULTIPLE UNSAT. PARTICIPANTS FROM SINGLE-TIME UNSAT. PARTICIPANTS. DCSPER, USARC, USAREC, & ARPERCEN WILL BE ABLE TO CATEGORIZE & SEGMENT RELEVANT FACTORS TO REDUCE UNSAT. PARTICIPANTS.

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PROJECT TITLE: SUPPORT FOR DEVELOPMENT OF TPU LEADERSHIP TRAINING

PUIC: DAARPR03A  
DTIC NUMBER: TBD  
CONTRACT NUMBER: TBD  
SPONSOR: DAAR-PAE  
PERFORMER: NAVAL POSTGRAD

THE OBJECTIVE OF THIS STUDY IS TO PROVIDE TRAINING CONTENT FOR LEADERSHIP TRAINING FOR NEW OR PROSPECTIVE TPU COMMANDERS IN THE USAR. THE GOAL OF SUCH TRAINING WOULD BE TO ENABLE NEW OR PROSPECTIVE COMMANDERS TO UNDERSTAND KEY LEADERSHIP CHALLENGES OF TPUS IN THE USAR, UNDERSTAND KEY UNIT CONDITIONS, & REQUIRED EFFECTIVE LEADERSHIP BEHAVIORS TO BE SUCCESSFUL.



FY97 ARMY STUDY PROGRAM  
LIST BY SPONSOR

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SPONSOR: DCSINT

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PROJECT TITLE: AUTOMATED GEO-REFERENCED MOBILITY ALGORITHMS & PRODUCTS

PUIC: DAMIPQ001      THE PURPOSE OF THIS STUDY IS TO DETERMINE THE UTILITY AND BENEFITS OF  
DTIC NUMBER:      EMPLOYING COMPUTER AUTOMATED INTERACTIVE MOBILITY (TRAFFICABILITY)  
CONTRACT NUMBER:      ASSESSMENTS IN THE IPB (INTELLIGENCE PREPARATION OF THE BATTLEFIELD)  
SPONSOR: DCSINT      PROCESS TO PRODUCE RESTRICTED AND UNRESTRICTED AREA OVERLAYS AS WELL AS  
PERFORMER: COE/WES      THEIR DERIVATIVES.

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PROJECT TITLE: LINGUIST SUPPORT TO MILITARY OPERATIONS

PUIC: DAMIPR001      EXAMINE ALTERNATIVES TO OBTAIN NEEDED LINGUIST SUPPORT FOR LOW DENSITY,  
DTIC NUMBER: BIP35C      THIRD WORLD LANGUAGES AND TO INCREASE THE AVAILABLE POOL OF LINGUISTS;  
CONTRACT NUMBER:      SEEK AUTOMATED SOLUTIONS TO ASSIST IN THE PROCESS.  
SPONSOR: DCSINT  
PERFORMER: To Be Determined

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PROJECT TITLE: SPLIT-BASED INTELLIGENCE FORCES

PUIC: DAMIPR002      INCREASE ARMY CAPABILITIES FOR SPLIT-BASED INTELLIGENCE FORCES TO RAPIDLY  
DTIC NUMBER: BIK38C      & EFFECTIVELY SUPPORT DEPLOYED GROUND COMMANDERS. EXAMINE HOW TO TAKE  
CONTRACT NUMBER:      ADVANTAGE OF INCREASING DIRECT BROADCAST FROM COLLECTION PLATFORMS USING  
SPONSOR: DCSINT      ASSURED INTELLIGENCE COMMUNICATIONS. CAPITALIZE ON INCREASED ACCESS TO  
PERFORMER: To Be Determined      INTEGRATED DATABASES, HIGH PERFORMANCE COMPUTING, ADVANCED COMMS, ETC..

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PROJECT TITLE: MODERNIZED ARMY WEATHER SUPPORT & ORGANIZATION

PUIC: DAMIPR005      ARMY LACKS A COHERENT WEATHER MANAGEMENT STRUCTURE & APPROACH. GENERATE  
DTIC NUMBER: BIO31D      AN ARCHITECTURE WHICH BRINGS COHERENCE TO THIS IMPORTANT AREA & IDENTIFY  
CONTRACT NUMBER:      HIGH PAYOFF AREAS FOR BATTLEFIELD VISUALIZATION & COMMANDER'S DECISION  
SPONSOR: DCSINT      AIDS.  
PERFORMER: To Be Determined

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SPONSOR: DCSLOG

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PROJECT TITLE: ENVIRONMENTAL PROTECTION OF ARMY AIRCRAFT

PUIC: DALOAQ001      OPERATING AND SUPPORT COSTS ASSOCIATED WITH MAINTAINING MODERNIZED  
DTIC NUMBER:      AVIATION SYSTEMS HAVE BEEN ON A STEADY INCREASE IN RECENT YEARS. THIS  
CONTRACT NUMBER:      FACT COUPLED WITH THE TRANSITION TO DIGITAL/ELECTRONIC AIRCRAFT CALLS FOR  
SPONSOR: DCSLOG      AN ANALYSIS OF THE COSTS AND BENEFITS OF ALTERNATIVES FOR PROTECTING  
PERFORMER: APJ      THESE HIGHLY COMPLEX WEAPONS SYSTEMS FROM THE ENVIRONMENT.

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PROJECT TITLE: PREDICTIVE-PUSH LOGISTICS

PUIC: DALOLQ001      A MAJOR CONTRIBUTOR TO THE GENERATION OF EXCESS IS THE RESULT OF THE  
DTIC NUMBER:      "PULL" OR CUSTOMER DETERMINED SUPPLY REQUIREMENTS VIA THE ARMY'S DIRECT  
CONTRACT NUMBER:      SUPPORT SYSTEM. PERFORM A STUDY AND PILOT IMPLEMENTATION TEST USING  
SPONSOR: DCSLOG      AUTOMATED MODELS AND TECHNOLOGY TO "PUSH" SUPPLIES FORWARD TO EACH  
PERFORMER: AMSAA      ORGANIZATION FROM THE NATIONAL LEVEL TO THE USING UNITS.

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FY97 ARMY STUDY PROGRAM  
LIST BY SPONSOR

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SPONSOR: DCSLOG

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PROJECT TITLE: SERVICE-WIDE FUTURE COMMUNICATIONS

PUIC: DALOLQ002  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: DCSLOG  
PERFORMER: SAIC

CONCEPTS ARE BEING DEVELOPED THAT REQUIRE RELIABLE, EASILY ACCESSIBLE AND ASSURED COMMUNICATIONS. THIS STUDY WILL PROVIDE A DEFINITIVE STATEMENT OF TIME-PHASED COMMUNICATIONS REQUIREMENTS FOR ARMY LOGISTICS SYSTEMS, AND IDENTIFY THE SYSTEMS REQUIRING CONTINUOUS COMMUNICATIONS AND THE COMMUNICATIONS CAPABILITIES REQUIRED TO MAINTAIN THEM.

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PROJECT TITLE: IMPLEMENTATION OF A NATIONAL PROVIDER: LOGISTICS 2020 AND BEYOND

PUIC: DALOLQ003  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: DCSLOG  
PERFORMER: INNOLOG

DUE TO STRATEGIC, ECONOMIC, AND TECHNOLOGICAL CHANGES, THE REDESIGN OF THE ARMY TO A SMALLER FORCE REQUIRES A LOOK AT NEW CONCEPTS OF SUPPORT OF THE TOTAL FORCE. THE VISION OF HAVING A NATIONAL PROVIDER BY 2010 MUST BE SUPPORTED BY DETERMINATION OF MOST EFFECTIVE AND EFFICIENT IMPLEMENTATION OF THIS CONCEPT. STUDY WILL PROVIDE A ROADMAP FOR SUCH IMPLEMENTATION.

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PROJECT TITLE: REVIEW OF ASSISTANCE, INSTRUCTION, EVALUATION AND INSPECTION PGMS

PUIC: DALOLR001  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: DCSLOG  
PERFORMER: TBD

THE ARMY HAS DIRECTED, THROUGH ARMY POLICY, THE DEVELOPMENT AND EXECUTION OF SEVERAL PROGRAMS DESIGNED TO PROVIDE ASSISTANCE, EVALUATE REQUIREMENT IMPLEMENTATION OR PERFORM INSPECTIONS. ANALYSIS OF COLLECTED DATA AND INFORMATION WILL DETERMINE COLLECTIVE VALUE OF THESE PROGRAMS, INDIVIDUAL VALUE OF THE PROGRAMS AND COMPARE TO THE COST TO THE ARMY.

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PROJECT TITLE: MAINTENANCE DATA ELEMENT IMPLEMENTATION STUDY

PUIC: DALOLR002  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: DCSLOG  
PERFORMER: To Be Determined

A GRAPHICAL REPRESENTATION OF THE APPROXIMATELY 250 MAINTENANCE DATA ELEMENTS WILL BE COMPILED THAT ILLUSTRATE WHERE THE MAINTENANCE DATA ARE COLLECTED AND STORED, WHERE INTERFACES AMONG AUTOMATED SYSTEMS AND DATABASES NEED TO BE IMPROVED AND DUPLICATE INTERFACES NEED TO BE ELIMINATED, AND WHERE MANUAL INPUT BY THE SOLDIER COULD BE ELIMINATED.

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PROJECT TITLE: ARMY FORCE PLANNING DATA AND ASSUMPTIONS (AFPDA)

PUIC: DALOPR001  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: DCSLOG  
PERFORMER: TBD

OVER THE YEARS DATA CONTAINED IN VARIOUS SEGMENTS OF THE AFPDA HAS BECOME AVAILABLE IN ELECTRONIC DATABASES. NO COMPREHENSIVE STUDY HAS BEEN UNDERTAKEN TO DETERMINE WHAT DATA IS NEEDED BY WHOM AND WHETHER OR NOT THERE IS ANOTHER SOURCE FROM WHICH TO OBTAIN THAT DATA. LINKING APPROPRIATE DATABASES MAY PROVIDE NEEDED DATA MORE EFFICIENTLY.

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PROJECT TITLE: FUNDING AND CONTROL OF ARMY WAR RESERVE ASSETS

PUIC: DALORR001  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: DCSLOG  
PERFORMER: TBD

DEVELOP A METHODOLOGY THAT WILL ALLOW THE ARMY TO ACQUIRE THE NECESSARY ASSETS TO MEET THE WARTIME SCENARIO(S) PROVIDED BY DOD GUIDANCE AND AT THE SAME TIME BETTER UTILIZE THEIR TOTAL ASSETS FOR BOTH WARTIME AND PEACETIME USE. REDUCES THE REQUIREMENT TO FUND THE OVERALL WAR RESERVE SECONDARY ITEM SHORTFALL WITH SCARCE ARMY TOA.



FY97 ARMY STUDY PROGRAM  
LIST BY SPONSOR

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SPONSOR: DCSLOG

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PROJECT TITLE: VELOCITY MANAGEMENT

PUIC: DALOSQ001  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: DCSLOG  
PERFORMER: Arroyo Center

THE ARMY IS WORKING A NEW CONCEPT OF LOGISTICS AIMED AT DRAMATICALLY IMPROVING THE FLOW OF MATERIALS THROUGH THE LOGISTICS SYSTEM AND THEREBY IMPROVING RESPONSIVENESS AND LOWERING COST. AS REQUESTED BY THE SENIOR LOGISTICS COALITION, THIS PROJECT WILL CONTINUE TO WORK WITH ARMY LOGISTICIANS TO DO PILOT IMPLEMENTATIONS OF VELOCITY MANAGEMENT PROCESSES.

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PROJECT TITLE: ARMY STOCKAGE POLICY

PUIC: DALOSQ002  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: DCSLOG  
PERFORMER: Arroyo Center

ONE OF THE THREE MAIN THRUSTS FOR PROCESS IMPROVEMENT AS PART OF THE VELOCITY MGT INITIATIVE. THE ARMY IS UNDERTAKING A COMPREHENSIVE REVIEW OF ITS STOCKAGE POLICIES FROM THE PLL THROUGH WAR RESERVES. THE SCOPE OF THIS WORK WILL INCLUDE STOCKAGE CONCEPTS, POLICY ISSUES, ISSUES OF DATA QUALITY AND RELEVANCE, AND REQUIREMENTS DETERMINATION METHODOLOGY.

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PROJECT TITLE: EVALUATION OF INTEGRATED SUSTAINMENT MAINTENANCE

PUIC: DALOSQ003  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: DCSLOG  
PERFORMER: Arroyo Center

THIS PROJECT IS DETERMINING WHETHER CENTRALIZED MANAGEMENT AND WORKLOADING OF ARMY SUSTAINMENT ACTIVITIES CAN PROVIDE ACCEPTABLE READINESS AND WEAPON SYSTEM AVAILABILITY AT LOWER TOTAL COST, BOTH IN PEACETIME AND WARTIME. IT WILL ASSESS SUCH A MANAGEMENT STRUCTURE'S ABILITY TO FOSTER EFFICIENT USE OF AC/RC MAINTENANCE EQUIPMENT, MANPOWER, AND FACILITIES.

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PROJECT TITLE: MEASURING EFFECTIVENESS OF THE LOGISTICS ANCHOR DESK (LAD)

PUIC: DALOSQ004  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: DCSLOG  
PERFORMER: Arroyo Center

DETERMINE HOW DISTRIBUTED COLLABORATIVE PLANNING CONTRIBUTES TO THE LOGSPT OF U.S. FORCE DEPLOYMENTS. WILL DRAW ON DATA BEING GENERATED BY CURRENT EU COM CONTINGENCY PLANNING, WITH PRIMARY EMPHASIS ON BENEFITS ACCRUED FROM USE OF THE LAD. SERVE TO INFORM SVCS/JT STAFF OF HOW NEW TOOLS FOR BROAD-BASED COMMO AND DATA-SHARING CAN HELP SUPPORT PLANNERS AND DEPLOYERS.

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PROJECT TITLE: ANALYZE COMMERCIAL BUSINESS PRACTICES IN LOGISTICS AREAS

PUIC: DALOTR001  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: DCSLOG  
PERFORMER: TBD

THE STUDY WILL EVALUATE THE RESPONSIVENESS OF VITAL SUPPLIERS, PECULIAR REGIONAL SHORTFALLS, HOW THE COMMERCIAL INDUSTRY HANDLES INCREASED SHORT-TERM DEMAND, PREPOSITIONING VERSUS POOLING CONCEPTS AND ALTERNATE COST PLANS WITH RISK ASSESSMENT FACTORED INTO THE COSTING ESTIMATES.

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SPONSOR: DCSOPS

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PROJECT TITLE: DEVELOP ARMY MODERNIZATION PRIORITY DSS (RISES)

PUIC: DAMOFQ009  
DTIC NUMBER:  
CONTRACT NUMBER: DABT6592D0003  
SPONSOR: DCSOPS  
PERFORMER: VRI

THIS PROJECT WILL PROVIDE THE ADCSOPS, FD WITH A DECISION MAKING TOOL WITH WHICH TO QUICKLY ASSESS THE IMPACTS OF FUNDING DECREMENTS, POLICY CHANGES, AND POTENTIAL PROGRAM TERMINATIONS ON THE ARMY'S ABILITY TO MEET ITS MODERNIZATION GOALS.



FY97 ARMY STUDY PROGRAM  
LIST BY SPONSOR

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SPONSOR: DCSOPS

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PROJECT TITLE: FORCE 21 TDA AXIS (UMBRELLA FAA) (INSTITUTIONAL ARMY/TDA REDESIGN)

PUIC: DAMOFQ013  
DTIC NUMBER:  
CONTRACT NUMBER: DASW0195D0085  
SPONSOR: DCSOPS  
PERFORMER: TBD

WITHIN THE REDESIGN EFFORT OF THE INSTITUTIONAL AXIS, MACOMS ARE CONDUCTING FAA'S OF MAJOR FUNCTIONAL AREAS. EACH FAA IS TO INCLUDE ALTERNATIVES FOR COMPLETING THAT AREA. AT THE END OF THE FAA'S, THERE IS AN INTEGRATING FAA, TO BE CONDUCTED BY THE UMBRELLA TEAM. THIS STUDY WILL PROVIDE ANALYTICAL SUPPORT TO THIS TEAM TO FACILITATE CONSTRUCTION OF THE NEXT ARMY POM.

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PROJECT TITLE: IMPACTS OF ARMY CSS ON WARFIGHTING CAPABILITY (LOGWAR)

PUIC: DAMOFQ015  
DTIC NUMBER: DA354719  
CONTRACT NUMBER:  
SPONSOR: DCSOPS  
PERFORMER: CAA

THIS STUDY WILL PROVIDE AN ESTIMATE OF NEAR AND FAR TERM WARFIGHTING OUTCOMES REALISTIC WITH RESPECT CSS CAPABILITY AT CURRENT FUNDING LEVELS AND WILL PROVIDE AN ESTIMATE OF THE AGGREGATE BENEFITS OF CSS UNIT EQUIPMENT MODERNIZATION USING WARFIGHTING MEASURES COMMON TO SIMULATION-BASED ANALYSIS OF "SHOOTER" SYSTEMS.

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PROJECT TITLE: JOINT WARFIGHTING ASSESSMENTS

PUIC: DAMOFQ018  
DTIC NUMBER:  
CONTRACT NUMBER: DAAB0793DK014  
SPONSOR: DCSOPS  
PERFORMER: BDM & CAMBER COR

THE DCSOPS HAS ESTABLISHED A NEW DIVISION TO COORDINATE JWCA TEAM EFFORTS AND THE ARMY'S RESPONSE TO THE JROC AND JOINT STAFF. THIS STUDY WILL PROVIDE A SYSTEMATIC VIEW OF SEVERAL ASSESSMENT AREAS: JWCA/FORCE XXI INTEGRATION & SYNCHRONIZATION (POC IN DAMO-FDT: LTC JORDAN, 614-2194), AND (CONTRACT # DASW0195D0085) CARDS DATA BASE, AND DIRECT SUPPORT NAVAL FIRES.

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PROJECT TITLE: JOINT NBC DEFENSE PGM PRIORITIZATION & RESOURCE ALLOCATION

PUIC: DAMOFQ019  
DTIC NUMBER:  
CONTRACT NUMBER: FFRDC,  
SPONSOR: DCSOPS  
PERFORMER: IDA & CAA

THE SECDEF HAS DESIGNATED THE ARMY AS THE DOD EXECUTIVE AGENT FOR THE COORDINATION AND INTEGRATION OF NBC DEFENSE PROGRAMS. THIS STUDY WILL PROVIDE A DEFENSIBLE ANALYTICAL METHODOLOGY BY WHICH THE JOINT NBC DEFENSE BUDGET IS ALLOCATED ACROSS MULTI-SERVICE PROGRAMS AND REQUIREMENTS.

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PROJECT TITLE: THEATER MISSILE DEFENSE/ATTK OPERATIONS

PUIC: DAMOFQ031  
DTIC NUMBER:  
CONTRACT NUMBER: DASW0195D0085  
SPONSOR: DCSOPS  
PERFORMER: TRAC & BDM

BMDO, THE SERVICES AND THE JOINT STAFF ARE CONDUCTING A JOINT TMD COEA BY OSD DIRECTION. THIS STUDY WILL EXAMINE US ARMY TMD CAPABILITIES AND ATTACK OPERATIONS CAPABILITIES AGAINST BALLISTIC AND CRUISE MISSILES THREATS IN THE 2002 AND 2010 TIMEFRAMES.

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PROJECT TITLE: MODERNIZATION PRIORITY DSS (RISES PHASE 1)

PUIC: DAMOFR001  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: DCSOPS  
PERFORMER: To Be Determined

THIS STUDY WILL COMPLETE DEVELOPMENT OF AN RDA INVESTMENT DECISION SUPPORT SYSTEM. BUILDING ON METRICS AND GOALS DERIVED IN A FY95 STUDY AND THE PROTOTYPE DEVELOPED IN FY96, THIS STUDY WILL INCORPORATE LESSONS LEARNED FROM USE OF THE PROTOTYPE. FINAL PRODUCT WILL PROVIDE DAMO-FD WITH AN EFFECTIVE TOOL TO RAPIDLY ANALYZE A WIDE RANGE OF RDA INVESTMENT ALTERNATIVES.

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FY97 ARMY STUDY PROGRAM  
LIST BY SPONSOR

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SPONSOR: DCSOPS

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PROJECT TITLE: CLOSE SUPPORT END-TO-END ASSESSMENT (CSEEA) THEATER-LEVEL ANALYSIS

PUIC: DAMOFR002  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: DCSOPS  
PERFORMER: To Be Determined

TRAC HAS PRIMARY RESPONSIBILITY TO CONDUCT CSEEA MODELING AND ASSOCIATED SYSTEMS ANALYSIS, BUT DOESN'T HAVE CAPABILITY TO TRANSITION CORPS-LEVEL SIMULATIONS TO THEATER-LEVEL INSIGHTS. THIS STUDY WOULD SUPPLEMENT TRAC'S EFFORTS WITH THEATER-LEVEL ANALYSIS OF CSEEA ALTERNATIVES. THIS WORK MAY FORM BASIS FOR BOTTOM-UP REVIEW - PART II, IN LIEU OF DAWMS.

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PROJECT TITLE: FORCE XXI INTEGRATION & SYNCHRONIZATION TOOL

PUIC: DAMOFR005  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: DCSOPS  
PERFORMER: To Be Determined

FOLLOW-ON TO WORK ON HOW BEST TO SYNCHRONIZE THE ACTIVITIES, EVENTS & RQMTS OF FORCE XXI PROCESS. THIS NEW WORK WILL PROVIDE NOT ONLY FOR THE EVOLUTION & MAINT OF THE SYSTEM CURRENTLY UNDER DEVELOPMENT, BUT ALSO ALLOW ITSEXPANSION TO ACCOMODATE THE DCSOPS' EXPANDED MISSION OF ARMY-WIDE FORCE X XI SYNCHRONIZATION.

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PROJECT TITLE: WARTIME AMMUNITION REQUIREMENTS UPDATE (WARREQU)

PUIC: DAMOFR007  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: DCSOPS  
PERFORMER: CAA (7-16-96)

THIS STUDY WILL PROVIDE A BASIS FOR ESTABLISHING MODERNIZATION PRIORITIES FOR SPECIFIC ARMY MUNITIONS /MISSILES, END ITEMS, & SUPPORT EQUIPMENT. STUDY WILL ALSO IMPROVE INTERNAL ALGORITHMS IN BOTH TAA AND WARREQ MODELS, SUCH AS ALGORITHM ASSOCIATED WITH WHICH MUNITIONS/MISSILES DEFEAT SPECIFIC TARGETS. PROVIDE PLANNING FACTORS FOR GENERATING MUNITIONS FIRING RATES.

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PROJECT TITLE: IMPACTS OF ARMY CSS ON WARFIGHTING CAPABILITIES (LOGWAR): CONTINUED

PUIC: DAMOFR010  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: DCSOPS  
PERFORMER: CAA (7-16-96)

ASSESS THE DEGRADATION TO JOINT WARFIGHTING CAPABILITY ATTRIBUTABLE TO INSUFFICIENT RESOURCING OF CSS. STUDY WILL IDENTIFY: BENEFIT TO OVERALL WARFIGHTING CAPABILITY OF FULLY MODERNIZING SPECIFIC ARMY CSS UNITS; TRADEOFFSBETWEEN DIFFERENT UNITS TO PROVIDE GREATEST WARFIGHTING CONTRIBUTION; EST IMATE OF AGGREGATE BENEFITS OF CSS UNITS USING WARFIGHTING MEASURES.

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PROJECT TITLE: DISPOSITION ANALYSES FOR SHUTDOWN ARMY REACTORS

PUIC: DAMOMQ001  
DTIC NUMBER: BINOOB  
CONTRACT NUMBER:  
SPONSOR: DCSOPS  
PERFORMER: CHPPM & TBD

THESE ARMY NUCLEAR REACTORS WERE SHUTDOWN IN THE 70S; HAVE REC'D MINIMAL OVERSIGHT IN PAST 20 YRS. FACILITIES MUST BE STUDIED TO DETERMINE CURRENT STATUS. ACTIONS NEEDED TO BRING THEM UP TO CURRENT HEALTH, SAFETY, & ENVIRONMENTAL STANDARDS MUST BE DETERMINED & IMPLEMENTED. OBJECTIVE DECISION-MAKING METHOD MUST BE ESTABLISHED FOR FINAL DISPOSITION OF THE FACILITIES.

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PROJECT TITLE: ARMY CRISIS PLANNING TEAM SPECIAL ASSISTANCE

PUIC: DAMOSQ004  
DTIC NUMBER:  
CONTRACT NUMBER: DASW0195D0077  
SPONSOR: DCSOPS  
PERFORMER: SAIC

AS PART OF THE ARMY STAFF'S EFFORTS TO SUPPORT SENIOR LEADER DECISIONS DURING CRISIS SITUATIONS, THE ARMY HAS ESTABLISHED A CRISIS PLANNING TEAM (CPT). AT THIS POINT, DAMO-SSP FORESEES THE NEED TO PROVIDE THE CPT WITH A HQDA STRATEGIC PLANNING ESTIMATE. THIS STUDY WILL PROVIDE A PLANNING AND ANALYSIS FRAMEWORK FOR CPT USE DURING QUICK RESPONSE SITUATIONS.



FY97 ARMY STUDY PROGRAM  
LIST BY SPONSOR

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SPONSOR: DCSOPS

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PROJECT TITLE: LINKAGE BETWEEN FORCE XXI AND LONG-TERM CAPABILITIES

PUIC: DAMOSQ020  
DTIC NUMBER:  
CONTRACT NUMBER: DASW0195D0600  
SPONSOR: DCSOPS  
PERFORMER: SAIC

THIS STUDY WILL DETERMINE THE NECESSARY LINKAGES BETWEEN THE CAPABILITIES OF FORCE XXI (A NEAR TO MID-TERM FORCE) AND CAPABILITIES REQUIRED FOR THE LONG-TERM FORCE. THE STUDY WILL IDENTIFY CHANGES TO SUCCESSFULLY ADAPT TO THE REQUIREMENTS OF GROUND WARFARE IN THE LONG-TERM AND SUPPORT COMPUTER BASED JOINT WARGAMES AND WORKSHOPS SPONSORED BY OSD NET ASSESSMENT.

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PROJECT TITLE: COMMISSION ON ROLES AND MISSIONS FOLLOW-ON STUDIES

PUIC: DAMOSQ026  
DTIC NUMBER:  
CONTRACT NUMBER: DASW0195D0077  
SPONSOR: DCSOPS  
PERFORMER: SAIC

PROVIDE ANALYSIS SUPPORT TO DAMO-SSP FOR ARMY PARTICIPATION IN OSD AND CJCS ASSESSMENTS OF SERVICE ROLES AND FUNCTIONS IN AREAS OF CLOSE SUPPORT OF ARMY FORCES COMMITTED TO ENTRY/SUSTAINED LAND OPERATIONS, DEEP ATTACK, THEATER AIR DEFENSE INCLUDING TMD, FULFILLING RQMTS OF COMBATANT COMMANDS FOR OVERSEAS PRESENCE, AND IN PEACE OPERATIONS AND RELATED ACTIVITIES.

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PROJECT TITLE: LONG RANGE STUDY OF GROUND WARFARE

PUIC: DAMOSR001  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: DCSOPS  
PERFORMER: SAIC

DETERMINE NECESSARY LINKAGES BETWEEN CAPABILITIES OF ARMY XXI (NEAR TO MID-TERM) & THOSE REQ FOR LONG-TERM, ARMY AFTER NEXT. IDENTIFY POTENTIAL LONG-TERM ENEMY STRATEGIES TO GAIN TECHNOLOGICAL LEVERAGE & COMPARATIVE ADVANTAGE. STUDY WILL SPT CONTINUED EVOLUTION OF FORCE XXI & IDENTIFY CHANGES TO SUCCESSFULLY ADAPT TO RQMTS OF GROUND WARFARE IN THE LONG-TERM.

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PROJECT TITLE: IMPLICATIONS OF THE NATIONAL STRATEGY REVIEW FOR THE ARMY

PUIC: DAMOSR003  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: DCSOPS  
PERFORMER: To Be Determined

WILL ASSIST ARMY PREPARE FOR NATIONAL STRATEGY REVIEW(S) THAT WILL FOLLOW '96 PRESIDENTIAL ELECTIONS, & LIEBERMAN AMENDMENT CJCS STUDY. PROVIDE JUSTIFICATION FOR ARMY SIZE, STRUCTURE, & FORCE MIX BASED ON JOINT FORCE RQMTS DERIVED FROM NATIONAL & MILITARY OBJS. PROVIDE ALTERNATIVE FORCE STRUCTURE & MIXES AS BASIS FOR ASSESSING RISK WITH DECREASED ARMY TOA.

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PROJECT TITLE: PREVENTIVE DEFENSE: ARMY ROLES AND RESOURCE REQUIREMENTS

PUIC: DAMOSR004  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: DCSOPS  
PERFORMER: To Be Determined

THIS STUDY WILL PROVIDE THE ARMY AN ANALYTICAL BASIS FOR PURSUING DOD RESOURCES FOR ITS CRITICAL PREVENTIVE DEFENSE-RELATED ROLES, CAPABILITIES, AND REQUIREMENTS. STUDY WILL DEFINE & QUANTIFY THE CONTRIBUTIONS THAT DIFFERENT TYPES OF FORWARD PRESENCE & PEACETIME ENGAGEMENT ACTIVITIES MAKE TO PRESERVING PEACE, & DERIVE ARMY FORCES, RESOURCES, & CAPABILITIES REQUIRED.

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PROJECT TITLE: ABCA QWG AOR ANALYSIS SUPPORT

PUIC: DAMOZQ001  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: DCSOPS  
PERFORMER: AMSAA/TRAC

THE ABCA QWG STANDARDIZATION PROGRAM AIMS TO ACHIEVE AGREED LEVELS OF STANDARDIZATION NECESSARY FOR 2 OR MORE ARMIES TO OPERATE EFFECTIVELY TOGETHER WITHIN A COALITION. THE QWG SPECIAL WORKING PARTY (SWP) FOR DIGITIZATION REQUIRES ANALYSIS SUPPORT TO IDENTIFY ABCA COALITION OPNS INFO REQUIREMENTS DURING A PROTOTYPE BRIDGE LEVEL CPX CONDUCTED WITH JANUS.



FY97 ARMY STUDY PROGRAM  
LIST BY SPONSOR

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SPONSOR: DCSPER

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PROJECT TITLE: A DECLINING PROPENSITY TO SERVE IN THE ARMED SERVICES

PUIC: DAPAH002  
DTIC NUMBER:  
CONTRACT NUMBER: DASW0195C0136  
SPONSOR: DCSPER  
PERFORMER: JCPES

EXAMINE DECLINING PROPENSITY TO ENLIST AMONG BLACK MALE YOUTH AND REASONS FOR THE DECLINE, EVALUATE THE IMPLICATIONS OF THIS DECLINE, AND MAKE POLICY RECOMMENDATIONS TO HELP REVERSE THE DECLINE.

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PROJECT TITLE: ENLISTED ATTRITION

PUIC: DAPEMPAQ1  
DTIC NUMBER: Pending  
CONTRACT NUMBER:  
SPONSOR: DCSPER  
PERFORMER: TBD

WHILE SOME ATTRITION IS EXPECTED, NO ONE KNOWS WHAT IS TOO MUCH OR TOO LITTLE ATTRITION. DEVELOP A "DESIRABLE" AGGREGATE ATTRITION RATE (OR RANGE) FOR EACH BT, AIT, OSUT, 6-MO, 36-MO, AND INITIAL TERM OF ENLISTMENT BASED ON EMPIRICAL EVIDENCE. ASSESS CURRENT POLICY AND PROCEDURES USED BY RECRUITING & TRAINING COMMUNITIES REGARDING ATTRITION AND RECOMMEND CHANGES.

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PROJECT TITLE: ARMY ENLISTED PERSONNEL LOSS PROJECTION STUDY

PUIC: DAPEMQ002  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: DCSPER  
PERFORMER: NPGS

IMPROVE ACCURACY OF PERSONNEL INVENTORY PROJECTIONS BY IMPROVING THE ACCURACY OF LOSS RATE PROJECTIONS. SPECIFICALLY, COMPARE ACCURACY OF LOSS PROJECTIONS BASED ON SURVIVAL ANALYSIS, WITH THOSE BASED ON CURRENTLY USED METHOD OF EXPONENTIAL SMOOTHING OF HISTORICAL LOSS RATES. DOCUMENT A METHODOLOGY FOR SOLVING ANY SMALL CELL PROBLEMS THAT ARISE.

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PROJECT TITLE: ENLISTED ACCESSION FLOW TO THE TRAINING BASE

PUIC: DAPEMR001  
DTIC NUMBER: Pending  
CONTRACT NUMBER:  
SPONSOR: DCSPER  
PERFORMER: To Be Determined

HALF OF THE TOTAL ARMY ANNUAL TRAINING LOAD ARRIVES AT TRADOC DURING THE SUMMER MONTHS. STUDY WILL ASSESS THE IMPACT OF REDUCING SUMMER SURGE ON THE QUANTITY AND QUALITY OF TOTAL ARMY ACCESSIONS, AND IDENTIFY ALTERNATIVE METHODS THAT WILL NOT ERODE RECRUITING. PART OF EFFORT WILL LOOK AT THE NEED FOR THE RESERVE COMPONENT SPLIT-TRAINING OPTION.

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PROJECT TITLE: AN INTEGRATED PERSONNEL MANAGEMENT INFORMATION SYSTEM

PUIC: PERSCOM1  
DTIC NUMBER: Pending  
CONTRACT NUMBER: DASW0194D0056  
SPONSOR: DCSPER  
PERFORMER: PRC

INVESTIGATE THE IMPACT OF HAVING A SEAMLESS, DATA DRIVEN, INTEGRATED PERSONNEL MANAGEMENT INFORMATION SYSTEM WHERE INFORMATION IS A RESOURCE SHARED THROUGHOUT THE TOTAL ARMY (OFFICER, ENLISTED, CIVILIAN; ACTIVE, RESERVE, NATIONAL GUARD) TO SUPPORT A LARGE SCALE (>200,000 PERSON) MOBILIZATION. EXAMINE THE FEASIBILITY & REQUIREMENTS FOR SUCH A SYSTEM.

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PROJECT TITLE: INCENTIVES CONJOINT ANALYSIS

PUIC: USARCR001  
DTIC NUMBER: Pending  
CONTRACT NUMBER:  
SPONSOR: DCSPER  
PERFORMER: To Be Determined

EXAMINE PERCEPTIONS AND ATTITUDES OF YOUNG POTENTIAL RECRUITS CONCERNING ENLISTMENT BONUSES, ARMY COLLEGE FUND (ACF), AND ENLISTMENT INCENTIVES IN GENERAL. DETERMINE TRADEOFFS YOUNG MEN AND WOMEN WOULD BE WILLING TO MAKE BETWEEN MONETARY, EDUCATIONAL, AND OTHER INCENTIVES TO MAXIMIZE THE UTILITY OF THEIR DECISION.



FY97 ARMY STUDY PROGRAM  
LIST BY SPONSOR

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SPONSOR:        DISC4

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PROJECT TITLE: AMERICAN, BRITISH, CANADIAN AND AUSTRALIAN (ABCA) ARMIES C3

PUIC: ODISCR001  
DTIC NUMBER:  
CONTRACT NUMBER: MDA90390C006  
SPONSOR: DISC4  
PERFORMER: LMI

TO CONTINUE THE IMPROVED ANALYSIS, DECISION SUPPORT AND TO IDENTIFY INTEROPERABILITY REQUIREMENT AND CAPABILITY THE U.S. ARMY AND THE QACISIG MUST CONTINUE WITH THE PROJECTED TASK. ADDITIONALLY, THE ABCA ARMIES PROGRAM HAS ALSO IDENTIFIED A NEED FOR IMPROVED ANALYSES AND MANAGEMENT SYSTEMS TO PLAN, DIRECT AND COORDINATE MATTER RELATINT TO STANDARDIZATION.

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PROJECT TITLE: QUADRILATERAL ARMIES C3 INTEROP ANA RESOLUTION & MGMT (QACISIG)

PUIC: ODISCR003  
DTIC NUMBER:  
CONTRACT NUMBER: MDA90390C006  
SPONSOR: DISC4  
PERFORMER: LMI

TO IDENTIFY AND MANAGE THE RESOLUTION OF C3 INTEROPERABILITY ISSUES AMONG THE FOLLOW ARMIES: FRENCH, GERMANY, UNITED KINGDOM AND THE U.S. THESE COUNTRIES HAVE CREATED THE QUADRILATERAL ARMIES COMMUNICATIONS AND INFORMATIONSYSTEMS INTEROPERABILITY GROUP (QACISIG) AND BY COMBINING VARIOUS BILATERAL GROUPS ALL ARE ADDRESSING SIMILAR ISSUES.

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PROJECT TITLE: COMMAND, CONTROL & COMMUNICATION INTEROPERABILITY STANDARDS

PUIC: ODISCR005  
DTIC NUMBER:  
CONTRACT NUMBER: MDA90390C006  
SPONSOR: DISC4  
PERFORMER: LMI

THE US ARMY IS REQUIRED TO PROVIDE THE DOD REPRESENTATION AND ANALYSIS FORTHE APPROVAL AND RATIFICATION OF INTERNATION AND NATIONAL STANDARDS AS TH EY APPLY TO LAND WARFARE. THESE STANDARDS ARE OFTEN EMBEDDED AS PART OF STANAGS AS WELL AS JCS INSTRUCTIONS, OSD AND DEFENSE AGENCY DIRECTIVES. STUDY WILL EVALUTE EXISTING C3I STANDARDS TO DETERMINE EFFECT ON PLANNING.

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PROJECT TITLE: UNITED STATES PARTICIPATION IN ATCCIS 1997 DEMONSTRATION

PUIC: ODISCR006  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: DISC4  
PERFORMER: IDA

THE ARMY (SHAPE) TACTICAL C2 INFORMATION SYSTEM ATCCIS) STUDY WILL CONCLUDE PHASE III EFFORT JUNE 1997 WITH A FINAL DEMONSTRATION USING THE ARMY GLOBA C2 SYSTEM (AGCCS) AS THE DESIGNATED PLATFORM. THIS DEMONSTRATION WILL SHOW THE EIGHT MEMBER NATIONS, 3 OBSERVER NATIONS, NATO, SHAPE, AND INDUSTRY THE USE OF THE ATCCIS DATA MODELING USING IDEFIX METHODOLOGY.

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PROJECT TITLE: ARMY STRATEGIC SOFTWARE PLAN

PUIC: ODISCR014  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: DISC4  
PERFORMER: MITRE

THE ENTERPRISE VISION AND STRATEGY'S PRINCIPLES ARE ACHIEVED ONLY IF THE ARMY SOSTWARE ACTIVITIES CAN PROVIDE THE APPLICATIONS REQUIRED. FORCE XXI AND REQUIREMENTS DRIVEN BY THE SEAMLESS INFROMATION SYSTEMS ON A DIGITIZE D BATTLEFIELD WILL REQUIRE EFFECTIVE SUPPORT BY OUR SOFTWARE ACTIVITIES. THE ARMY STATGIC SOFTWARE PLAN WILL BE USED FOR AIS AND C3I SYSTEMS.

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PROJECT TITLE: BANDWIDTH SENSITIVITY STUDY

PUIC: ODISCR015  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: DISC4  
PERFORMER: TBD

THIS BANDWIDTH SENSITIVITY STUDY IS TO ADDRESS THE REQUIREMENTS IN THE ARMY TECHNICAL ARCHITECTURE (ATA) AND PROVIDE RECOMMENDATION FOT THE NEXT VERSION OF THE ATA. THIS STUDY WILL ADDRESS TWO DISTINCT COMMUNICATION ENVIRONMENTS: SWITCHED AND WIRELESS. THE SWITCHED ENVIRONMENT INCLUDES THE ASYNCHRONOUS TRANSFER MODE (ATM) AND FORWARD ERROR CORRECTION (FEC).



FY97 ARMY STUDY PROGRAM  
LIST BY SPONSOR

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SPONSOR: DISC4

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PROJECT TITLE: ARMY MODERNIZATION IMPACTS FROM EXTENDED SPECTRUM AUCTION

PUIC: ODISCR017  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: DISC4  
PERFORMER: Joint Spectrum C

THE ADMINISTRATION, IN DRAFT CONGRESSIONAL LEGISLATION PROPOSES TO EXPAND THE FCC AUTHORITY TO USE COMPETITIVE BIDDING (AUCTIONING) TO ASSIGN RADIO FREQUENCY SPECTRUM LICENSES. THIS WILL EXPAND AUCTIONING AUTHORITY AND TRANSFER ADDITIONAL FEDERAL SPECTRUM TO NON-GOVERNMENT USE TO INCREASE FEDERAL REVENUE BY AUCTIONING TO THE COMMERCIAL SECTOR.

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PROJECT TITLE: DOMAIN BUSINESS RULE SPECIFICATION TOOL

PUIC: ODISCR018  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: DISC4  
PERFORMER: To Be Determined

THIS RESEARCH WILL DEFINE AND DEVELOP A ANALYTICAL TOOL TO CAPTURE METADATA REQUIREMENTS APPROPRIATE FOR SPECIFYING DOMAIN LEVEL BUSINESS RULES, AND FOR MANAGING THESE RULES AS REUSABLE INFORMATION ASSETS. DOMAIN LEVEL BUSINESS RULES REPRESENT RELATIONSHIPS THAT EXIST AMONG GROUPS OF TWO OR MORE DATA ELEMENTS BASED ON THE INTENDED FUNCTIONAL USE OR PURPOSE OF THE VALUE.

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PROJECT TITLE: DESIGNING A C4 REQUIREMENTS DEVELOPMENT DATABASE FOR FORCE XXI

PUIC: ODISCR025  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: DISC4  
PERFORMER: TBD

TRADOC IS RESPONSIBLE FOR EQUIPPING THE ARMY WITH C4 EQUIPMENT AND MAINTAINING THE ARMY'S BATTLEFIELD INFORMATION ARCHITECTURE. THE CURRENT OPERATIONAL ARCHITECTURE (OA) DESCRIBES CONNECTIVITY OF THE FOREC ELEMENTS, OPFAC TO OPFAC, AND THE INFORMATION EXCHANGE REQUIREMENTS BETWEEN THEM. GROWING C4 REQUIREMENTS ASSOCIATED WITH DIGITIZED FORCE XXI WILL BE MORE COMPLEX.

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PROJECT TITLE: INCORPORATION OF FUNCTIONAL DATA MODELS INTO THE DOD C2 DATA MODEL

PUIC: ODISCR031  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: DISC4  
PERFORMER: IDA

U.S. ARMY HAS BEEN A VERY STRONG PROPONENT ON DATA STANDARDIZATION WITHIN THE DOD. THE PRIMARY EMPHASIS HAS BEEN ON THE UTILITY OF THE C2 ASPECT OF THIS EFFORT. WITH THE MATURITY OF THE C2 CORE DATA MODEL, THE ARMY, IN ORDER TO MEET DATA INTEROPERABILITY REQUIREMENTS FOR FULL POWER PROJECTION, C4I MUST EXTEND THAT DATA ARCHITECTURE FROM C2 TO INCLUDE OTHER AREAS.

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SPONSOR: DUSA-OR

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PROJECT TITLE: TARGET ACQUISITION MODEL IMPROVEMENT

PUIC: AMSSTP022  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: DUSA-OR  
PERFORMER: AMSAA/CID

STUDY IS 2 TASKS: COMPLETE COMPARISON OF 5 TARGET ACQUISITION MODELS TO FIELD TEST RESULTS (IDENTIFY MODELS' STRENGTHS/WEAKNESSES; RECOMMEND IMPROVEMENTS; EXTRACT/CALIBRATE ORACLE VISUAL TARGET ALGORITHMS AS POTENTIAL REPLACEMENT FOR CURRENT ACQUIRE METHODOLOGY. ORACLE/VISUAL, A COMPUTER MODEL DEVELOPED BY BRITISH AEROSPACE, PREDICTS HUMAN ABILITY TO DETECT TARGETS.

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SPONSOR: NGB

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PROJECT TITLE: ARMY NAT'L GUARD CAPABILITIES TO PROVIDE SERVICES TO AMERICA'S ARMY

PUIC: NGARLR001  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: NGB  
PERFORMER: To Be Determined

DETERMINE WHAT SERVICES THE ARNG COULD PROVIDE TO OTHER DOD CUSTOMERS, HOW TO OPTIMIZE THE CURRENT OUTSOURCING CAPABILITIES OF THE ARNG TO ACCOMPLISH MISSIONS FOR THE ARMY, EXAMINE THE COST EFFECTIVENESS & STANDARDIZED COST MAPPING BY LOCATION, & RECOMMEND PROCEDURES TO IMPLEMENT MISSIONS THROUGH INNOVATIVE INSTRUMENTS AS FEDERAL/STATE COOPERATIVE AGREEMENTS & GRANTS.



FY97 ARMY STUDY PROGRAM  
LIST BY SPONSOR

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SPONSOR: NGB

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PROJECT TITLE: CONFLICT OF 800/288/200 AC/ARNG/USAR OPTEMPO MILEAGE ASSUMPTIONS

PUIC: NGARLR004  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: NGB  
PERFORMER: CACI-Federal Inc

CORRECTING THE MISUNDERSTANDING OF DETERMINATION AND MEASUREMENT OF OPTEMPO REQUIREMENTS WILL LEAD TO A BETTER UNDERSTANDING OF OPTEMPO BY ALL ARMY COMPONENTS, COMMANDERS, AND CONGRESS.

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PROJECT TITLE: ALTERNATIVE VEHICLE AIR FILTER

PUIC: NGARLR005  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: NGB  
PERFORMER: To Be Determined

IF A COST-BENEFIT CAN BE REALIZED BY BUYING REUSABLE AIR FILTERS OR FROM USING AIR FILTER CLEANING SYSTEMS TO PROLONG AIR FILTER LIFE, SAVINGS TO ARMY OVER THE OUTYEARS WOULD BE ENORMOUS. REUSABLE FILTERS NOT ONLY IMPROVE PERFORMANCE AND FUEL CONSUMPTION, THEY ENHANCE SERVICE LIFE OF VEHICLE ENGINES & WOULD CUT INVENTORY COSTS BY ALLOWING ASL FOR THAT PART TO GO DOWN

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PROJECT TITLE: NATIONAL MISSILE DEFENSE: MANNING, FORCE STRUCTURE, JOINT INCORPORATION

PUIC: NGARPQ001  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: NGB  
PERFORMER: Stnd Tech Inc

PROGRAM/MISSION IS JOINT, SUPPORTS CINC PROVIDING BALLISTICS MISSILE DEFENSE OF U.S. BOTH A FORCE STRUCTURE/FORCE MIX ISSUE. TRANSFER OF AC MISSION TO RC PROVIDES MAXIMUM OUTSOURCING, BUT MAINTAINS FEDERAL CONTROL OF STRATEGIC FORCE. NATIONAL MISSILE DEFENSE IS MODERNIZATION AND CAPABILITY TO DEFEND U.S. FROM THREAT WITH NO CURRENT DEFENSE.

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SPONSOR: PAED

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PROJECT TITLE: VALUE ADDED ANALYSIS IV (EAGLE)

PUIC: PAEDMP001  
DTIC NUMBER:  
CONTRACT NUMBER: DASW01-95-D-0  
SPONSOR: PAED  
PERFORMER: CAA

VALUE ADDED ANALYSIS IV WILL USE FY96 FUNDS TO ENHANCE UTILITY OF EAGLE C ORPS-LEVEL SIMULATION IN THE VAA OPTIMIZATION FRAMEWORK. SPECIFIC ENHANCEMENTS INCLUDE IMPROVED MODELING OF ARMY AVIATION, BETTER PORTRAYAL OF RECONNAISSANCE, IEW, AND INTELLIGENCE FUSION. ADDITIONALLY, BETTER DATA MANAGEMENT IN THE FORM OF POST- AND PRE-PROCESSORS WILL BE DEVELOPED.

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SPONSOR: PEO-MD

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PROJECT TITLE: QUANTIFYING ASSURANCE IN PATRIOT PAC-3 PERFORMANCE

PUIC: AMSSTP018  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: PEO-MD  
PERFORMER: AMSAA

STUDY UTILIZES BAYESIAN TECHNIQUES TO PROVIDE MEASURE OF ASSURANCE THAT TRUE SYS PERF EXCEEDS RQMTS BY RELATING UNCERTAINTY IN INPUT DISTRIBUTION OF BELIEF REGARDING PROBABILITY OF KILL. DISTRIB PARAMETER UNCERTAINTY CAN BE UPDATED THRU ANY TYPE OF TESTING. PK DISTRIB OF BELIEF DIRECTLY RELATES TO TEST DATA; APPROACH CAN ALSO BE USED TO DEV OPTIONAL TEST STRATEGY.



FY97 ARMY STUDY PROGRAM  
LIST BY SPONSOR

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SPONSOR: TRADOC

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PROJECT TITLE: COMBAT MANEUVER TRAINING CENTER FRATRICIDE

PUIC: AETTDM001      STUDY WILL IDENTIFY SITUATIONS, VARIABLE, AND PRIMARY CONTRIBUTING  
DTIC NUMBER:      FACTORS ASSOCIATED WITH CMTC FRATRICIDE. THIS WILL ENABLE DEVELOPMENT OF  
CONTRACT NUMBER:      FRATRI- CIDE AVOIDANCE STRATEGIES, REVISE SOPS, AND EMPHASIZE AVOIDANCE  
SPONSOR: TRADOC      BASED TRAINING. AWAITING STUDY PLAN APPROVAL  
PERFORMER: T/WSMR

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PROJECT TITLE: CORPS/DIVISION ANALYTIC (EAGLE) MODEL/DIS DEVELOPMENT

PUIC: ATRCFJ001      DEVELOP A FAST-RUNNING SYSTEMIC SIMULATION FOR USE IN DOCTRINAL STUDIES,  
DTIC NUMBER:      SCENARIO DEVELOPMENT AND FUTURE CONCEPTS ANALYSES. FY92 WORK INCLUDES  
CONTRACT NUMBER:      CONTINUING WORK ON DEVELOPING CORPS-LEVEL MODEL; COMPLETING ENG, CSS &  
SPONSOR: TRADOC      DISMOUNTED INFANTRY MODULES; IMPROVEMENTS TO SUN GRAPHICS INTERFACE.  
PERFORMER: T/OAC

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PROJECT TITLE: CORPS LEVEL COMPUTER GENERATED FORCES

PUIC: ATRCF0016      STUDY WILL DEVELOP SIMULATION WHICH WILL PROVIDE FOR INTEGRATION OF  
DTIC NUMBER:      ACTUAL SYSTEMS AND C2 OPERATOR CONSOLES WITH COMPUTER GENERATED FORCES,  
CONTRACT NUMBER:      MANNED SIMULATORS AND OTHER APPLICATION SOFTWARE AS NEEDED TO REPRESENT  
SPONSOR: TRADOC      CORPS LEVEL MANEUVER FORCES AND ASSOCIATED INTEL ASSETS.  
PERFORMER: T/OAC

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PROJECT TITLE: CONTINGENCY ANALYSIS AND PLANNING SYSTEM DATA COLLECTION

PUIC: ATRCFP002      STUDY RESPONDS TO JOINT STAFF (J-8) REQUEST TO SUPPORT CAPS. SYSTEM TO  
DTIC NUMBER:      BE USED BY ALL CINCS AND THEIR STAFFS TO DEVELOP FORCE GENERATION AND  
CONTRACT NUMBER:      FORCE MIX DECISIONS. THE TOOL REQUIRES DATA.  
SPONSOR: TRADOC  
PERFORMER: T/OAC

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PROJECT TITLE: SOUTHWEST ASIA CORPS OFFENSIVE (SWA LRS 6.0)

PUIC: ATRCFQ001      PRODUCE NEW STANDARD TRADOC SCENARIO PROVIDING TOOL FOR ANALYSIS OF ARMY  
DTIC NUMBER:      CORPS OFFENSIVE OPERATIONS IN SWA REGION. TRAC WILL CONDUCT DYNAMIC  
CONTRACT NUMBER:      GAMING OF THIS SCENARIO.  
SPONSOR: TRADOC  
PERFORMER: T/SAC

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PROJECT TITLE: SOUTHWEST ASIA EARLY ENTRY (SWA LRS 5.1)

PUIC: ATRCFQ002      PRODUCE NEW TRADOC EXCURSION SCENARIO PROVIDING TOOL FOR ANALYSIS OF ARMY  
DTIC NUMBER:      AND JOINT EARLY ENTRY DEFENSIVE OPERATIONS IN SWA REGION. TRAC WILL  
CONTRACT NUMBER:      CONDUCT DYNAMIC GAMING OF THIS SCENARIO.  
SPONSOR: TRADOC  
PERFORMER: T/SAC

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FY97 ARMY STUDY PROGRAM  
LIST BY SPONSOR

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SPONSOR: TRADOC

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PROJECT TITLE: PALLETIZED LOADING SYSTEM LIGHT VARIANT UTILITY ANALYSIS

PUIC: ATRCLP001  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: TRADOC  
PERFORMER: T/LEE

STUDY WILL DETERMINE COST EFFECTIVE USES FOR THE LIGHTWEIGHT PLS IN THE DISTRIBUTION ROLE CONSISTENT WITH THE BDS CONCEPT, NEW TVAR, TAA 2003 FORCE STRUCTURE, AND NEW AMMUNITION CONSUMPTION RATES. BATTLEFIELD DISTRIBUTION CONCEPTS COMPLICATED & EXTENDED.

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PROJECT TITLE: CSS DEVELOPMENT THROUGH THE JANUS MODEL

PUIC: ATRCLP002  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: TRADOC  
PERFORMER: T/LEE

NEAR TERM GOAL IS TO WORK WITH ALMC IN DEVELOPING A JANUS CURRICULUM FOR THE ORSA MAC I COURSE. FUTURE GOAL IS TO DEVELOP A CURRICULUM FOR THE COMBINED LOGISTICS OFFICER ADVANCED COURSE (CLOAC). FOCUS WILL BE ON RESOLVING MAJOR EQUIPMENT ISSUES AND TESTING NEW CONCEPTS.

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PROJECT TITLE: LARGE MEDIUM SPEED RORO (LMSR) REQUIREMENTS STUDY

PUIC: ATRCLP003  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: TRADOC  
PERFORMER: T/LEE

STUDY WILL IDENTIFY LABOR AND PORT FACILITIES REQUIRED TO EFFICIENTLY SUPPORT THE LOADING AND DISCHARGE OF LMSR. STUDY WILL ENABLE THE ARMY TO ENSURE SUFFICIENT LABOR AND EQUIPMENT WILL BE AVAILABLE TO MEET GOALS SET OUT IN THE MOBILITY REQUIREMENTS STUDY. BEING RESCOPED IN LIGHT OF COMMENTS FROM MG BROWN

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PROJECT TITLE: ENLISTED ATTRITION STUDY

PUIC: ATRCLQ002  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: TRADOC  
PERFORMER: T/LEE

STUDY ASSESSES CURRENT ATTRITION RATES AND TRENDS WITH A VIEW TO DETERMINE A "DESIRABLE" ATTRITION RATE AS WELL AS RECOMMENDED ACTIONS TO REDUCE OR INCREASE ATTRITION ACCORDINGLY. STUDY WILL ALSO UPDATE PREDICTORS OF ATTRITION. LATE START EXTENDED COMPLETION DATE.

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PROJECT TITLE: OPERATIONAL RISK ASSESSMENT FOR RECONSTIT/REDEPLOY FROM B-H

PUIC: ATRCLQ005  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: TRADOC  
PERFORMER: T/LEE

EXAMINE THE OPERATIONAL RISKS RELATED TO ALTERNATIVE METHODS FOR RECONSTITUTING AND REDEPLOYING US ARMY FORCES ENGAGED IN PEACEKEEPING ROLES IN B-H. ANALYSIS WILL INVOLVE A REVIEW OF SEVERAL REDEPLOYMENT OPTIONS.

---

PROJECT TITLE: FLATRACK SHORTFALL UPDATE

PUIC: ATRCLQ006  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: TRADOC  
PERFORMER: T/LEE

PROVIDE THE ARMY WITH RATIONALE, IN TIMES OF SCARCE RESOURCES, FOR A PROCUREMENT THAT MEETS A BONA FIDE NEED BASED ON CALCULATIONS FROM LEGITIMATE PLANNING FACTORS.



FY97 ARMY STUDY PROGRAM  
LIST BY SPONSOR

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SPONSOR: TRADOC

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PROJECT TITLE: LOGISTICS AND COST IMPACTS OF THE INTEGRATED CSS SYSTEM

PUIC: ATRCLQ007  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: TRADOC  
PERFORMER: T/LEE

PROVIDE AN INDICATION OF THE EFFICIENCIES, IF ANY, TO BE ACHIEVED BY INTEGRATING VARIOUS STAMIS. WORKING WITH SPONSOR TO ARTICULATE STUDY QUESTIONS.

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PROJECT TITLE: RAPID GENERATION OF TERRAIN DATA BASES (TELLUS) STUDY

PUIC: ATRCRP002  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: TRADOC  
PERFORMER: T/MTRY

STUDY ADDRESSES LIMITED AVAILABILITY OF HI-RES TERRAIN DATA AND PROPOSES SEVERAL TASKS DESIGNED TO MAKE HI-RES TERRAIN MORE ACCESSIBLE TO ANALYTICAL AND TRAINING COMMUNITIES. OBJECTIVES INCLUDE ELEVATION AND FEATURES AND A REFINED PROCESS TO INTEGRATE DATA INTO PERSPECTIVE VIEW GENERATORS & SIMS. RECEIVED \$50K FROM USAAIC AS SEED MONEY.

---

PROJECT TITLE: JANUS - MODSAF INTEROPERABILITY STUDY

PUIC: ATRCRQ001  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: TRADOC  
PERFORMER: T/MTRY

INVESTIGATE INTEROPERABILITY ISSUES RELATED WITH CONNECTING TWO COMBAT MANEUVER MODELS OF DIFFERENT ERAS WITHIN DIS.

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PROJECT TITLE: ADVANCED DISTRIBUTED JANUS DEVELOPMENT

PUIC: ATRCRR001  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: TRADOC  
PERFORMER: T/MTRY

PROVIDE RESEARCH INTO DEVELOPING A DISTRIBUTED JANUS CAPABILITY THAT SUPPORTS A GENERAL RELEASE AS PART OF JANUS 8.0.

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PROJECT TITLE: PC JANUS

PUIC: ATRCRR002  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: TRADOC  
PERFORMER: T/MTRY

RESEARCH THE DEVELOPMENT OF A FULLY OPERATIONAL JANUS PROCESSOR ON A PENTIUM CLASS PERSONAL COMPUTER. PRODUCE A FULLY OPERATIONAL PROTOTYPE SYSTEM.

---

PROJECT TITLE: SIMULATOR/SIMULATION BASED TRAINING PROGRAM ANALYSIS

PUIC: ATRCSL001  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: TRADOC  
PERFORMER: T/WSMR

DETAILED COST BENEFIT ANALYSIS AND TRAINING EFFECTIVENESS ANALYSIS IN SUPPORT OF THE PRIORITIZATION AND ACQUISITION OF SIMULATIONS AND SIMULATORS BY THE DCST. EFFORT DETERMINES TRAINING DEVICE OVERLAP AND POTENTIAL OF TAD SS FOR OPTEMPO/AMMUNITION SUBSTITUTION AND TRADEOFF.



FY97 ARMY STUDY PROGRAM  
LIST BY SPONSOR

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SPONSOR: TRADOC

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PROJECT TITLE: NORTHEAST ASIA LOW RESOLUTION SCENARIO 2.0

PUIC: ATRCSN013  
DTIC NUMBER:  
CONTRACT NUMBER: DABT6596D0001  
SPONSOR: TRADOC  
PERFORMER: T/SWC

DEPICTS DELIBERATE DEFENSE BY FORWARD DEPLOYED BLUE HEAVY DIV REINFORCED WITH 1 ARTY BDE. TAKES PLACE WHILE DIV IS OPCON TO HOST NATION CORPS. OPPOSING ARE 3 REGULAR INFANTRY DIVS SUPPORTED BY MECH UNITS & CAPABLE LONG RANGE ARTY. AIR SUPERIORITY IS NOT YET ACHIEVED. MOUNTAIN TERRAIN.

---

PROJECT TITLE: SUPPORT TO ABCA QWG-AOR -- CASCADE RAIN 96

PUIC: ATRCSO020  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: TRADOC  
PERFORMER: T/SWC

TRAC PROVIDES OR SMES TO SUPPORT QWG-AOR SPECIAL WORKING PARTY ON EXERCISE PLANNING AND EVALUATION. ABCA EXERCISE CASCADE RAIN IS THE BIENNIAL ABCA EXERCISE, WHICH WILL BE HELD IN CONJUNCTION WITH I CORPS' WARFIGHTER IN OCT 96.

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PROJECT TITLE: NORTHEAST ASIA THEATER RESOLUTION SCENARIO 1.0 UPDATE

PUIC: ATRCSP013  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: TRADOC  
PERFORMER: T/SWC

SCENARIO DEPICTS MID TO HIGH-INTENSITY CONFLICT USING FUTURE WEAPONS AND ORGANIZATIONS. A JOINT/COMBINED BLUE 2001 FORCE EMPLOYS ARMY OPERATIONS DOCTRINE TO DEFEAT A 2011 THREAT. SCENARIO WILL INCLUDE LATEST DEFENSE PLANNING GUIDANCE CHANGES AND INPUT FROM AGENCIES SUCH AS CAA. WILL USE FOR WFLA.

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PROJECT TITLE: SOUTHWEST ASIA LOW RESOLUTION SCENARIO 6.0

PUIC: ATRCSP015  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: TRADOC  
PERFORMER: T/OAC

DEPICTS UPDATE OF SWA 4.2 WITH REVISED BLUE SYSTEMS AND ORGANIZATIONS, AND RED UPDATED TO 2011. SCENARIO WILL PROVIDE UPDATED TOOL FOR EXAMINATION OF DEEP FIRES AND SMART MUNITIONS. SCENARIO SHOWS BLUE CORPS DELIBERATE ATTACK, PENETRATION, AND EXPLOITATION AGAINST DEFENDING RED CORPS. LEAD TRANSFERRED TO T/OAC; CHANGED FROM 4.2 UPDATE TO 6.0

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PROJECT TITLE: SOUTHWEST ASIA THEATER RESOLUTION SCENARIO 1.0 UPDATE

PUIC: ATRCSP016  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: TRADOC  
PERFORMER: T/SWC

UPDATE OF SWA TRS 1.0 WITH REVISED BLUE SYSTEMS AND ORGANIZATIONS AND RED UPDATED TO 2011. SCENARIO INCLUDES LATEST DPG INFORMATION, INPUT FROM CAA, AND OTHER SERVICE PLANNING SCENARIOS. SCENARIO WILL DEPICT THEATER BALLISTIC MISSILE OPERATIONS, AND JOINT & COMBINED MILITARY OPERATIONS. WILL USE FOR WFLA.

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PROJECT TITLE: NEAR SIMULTANEOUS MAJOR REGIONAL CONTINGENCIES 1.0

PUIC: ATRCSP017  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: TRADOC  
PERFORMER: T/SWC

DEPICTS COMBAT ACTIONS, DEPLOYMENT CONSIDERATIONS, AND CSS CONSIDERATIONS FOR NEAR SIMULTANEOUS MAJOR REGIONAL CONTINGENCIES IN SWA AND NEA. SCENARIO INCLUDES LATEST DPG INFORMATION, INPUT FROM CAA, AND OTHER JOINT SERVICE PLANNING SCENARIOS, INCLUDING NAVAL WAR COLLEGE GLOBAL 95. WILL USE FOR W FLA.



FY97 ARMY STUDY PROGRAM  
LIST BY SPONSOR

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SPONSOR: TRADOC

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PROJECT TITLE: MLRS SMART TACTICAL ROCKET (MSTAR) COEA

PUIC: ATRCSP021  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: TRADOC  
PERFORMER: T/SAC

CONDUCT A MS II COEA TO DETERMINE THE MOST COST EFFECTIVE SMART MUNITION FOR MLRS. EVALUATE ALTERNATIVE SMART MUNITIONS INCLUDING BAT P3I, DAMOCLES, LOCAAS (LADAR), AND SADARM P3I; PROVIDE INFO ABOUT RELATIVE COSTS AND COMBAT EFFECTIVENESS OF EACH ALTERNATIVE. DA REEVALUATING REQ'T FOR COEA BASED ON 14 FEB 96 SAG MTG.

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PROJECT TITLE: DIVISION XXI AWE ANALYSIS SUPPORT

PUIC: ATRCSP025  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: TRADOC  
PERFORMER: T/SAC

TRAC WILL PROVIDE ANALYSIS SUPPORT TO THE DIVISION XXI AWE. THIS AWE WILL BE A BCTP-LIKE WARFIGHTER EXERCISE, TO BE HELD IN NOV 97. IT WILL BE A VALIDATION EXERCISE FOR THE DIVISION DESIGN ALTERNATIVE WHICH IS SELECTED FROM THE DIVISION DESIGN ANALYSIS. COMPETITION DATE MODIFIED TO REFLECT SLIPPAGE IN AWE.

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PROJECT TITLE: INFORMATION OPERATIONS ARCHITECTURE OVERSIGHT

PUIC: ATRCSP026  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: TRADOC  
PERFORMER: T/SAC

IO ARCHITECTURE OVERSIGHT WILL ENSURE THAT JOINT VENTURE (JV) ANALYSIS & EXPERIMENTATION (A&E) ACCURATELY & SUFFICIENTLY REPRESENT FORCE XXI IO ARCHITECTURE. WILL ALSO ACT AS INTERFACE BETWEEN REQ'TS AND ENGINEERING COMMUNITIES AND THE A&E COMMUNITIES WITH INPUT TO JV A&E PLANNING.

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PROJECT TITLE: FORCE XXI DIVISION DESIGN ANALYSIS

PUIC: ATRCSQ004  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: TRADOC  
PERFORMER: T/SAC

DEFINE THE TOE DIVISION AND REFINE ECHELONS BELOW USING EXPERIMENTATION AND INCREMENTAL ANALYSIS. END DATE CHANGED FOR CG, TRADOC ADVANCE OF DESIGN SELECTION.

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PROJECT TITLE: NORTHEAST ASIA THEATER RESOLUTION SCENARIO 3.0 (EELS TRS)

PUIC: ATRCSQ012  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: TRADOC  
PERFORMER: T/SWC

PRODUCE NEW TRADOC SCENARIO PROVIDING TOOL FOR ANALYSIS OF ARMY DEPLOYMENT AND EARLY ENTRY CAPABILITIES. TRAC, WITH SUPPORT FROM EELS BATTLE LAB, WILL CONDUCT DYNAMIC GAMING OF THIS SCENARIO.

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PROJECT TITLE: AIR ASSAULT BDE DEFENSE (HRS 60)

PUIC: ATRCSQ014  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: TRADOC  
PERFORMER: T/SWC

PRODUCE NEW STANDARD TRADOC SCENARIO PROVIDING TOOL FOR ANALYSIS OF ARMY CLOSE COMBAT AND RAPID FORCE PROJECTION INITIATIVE (RFPI) CAPABILITIES. TRAC AND DISMOUNTED BATTLESPACE BATTLE LAB WILL CONDUCT DYNAMIC GAMING OF THIS SCENARIO.



FY97 ARMY STUDY PROGRAM  
LIST BY SPONSOR

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SPONSOR: TRADOC

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PROJECT TITLE: ATACMS BLOCK IIA COEA

PUIC: ATRCSQ015  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: TRADOC  
PERFORMER: T/SAC

PROVIDE SUPPORT TO A MILESTONE II DECISION REVIEW BY THE ARMY SYSTEMS ACQUISITION REVIEW COUNCIL AND THE DEFENSE ACQUISITION BOARD AS TO WHETHER TO PROCEED WITH DEVELOPMENT OF AN EXTENDED RANGE ATACMS MISSILE WITH AN IMPROVED BRILLIANT ANTITANK (BAT) SUBMUNITION.

---

PROJECT TITLE: JOINT CLOSE SUPPORT END-TO-END ASSESSMENT

PUIC: ATRCSQ016  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: TRADOC  
PERFORMER: T/SAC

IDENTIFY LEVERAGE POINTS WITHIN THE JOINT CLOSE SUPPORT MISSION AREA BY FOCUSING ON FIRE SUPPORT SYSTEMS, THE INTEGRATION OF THOSE SYSTEMS, AND RELATED C4I ELEMENTS WHICH ARE KEY TO WINNING THE CLOSE BATTLE.

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PROJECT TITLE: TRAC SUPPORT TO WFLA

PUIC: ATRCSQ017  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: TRADOC  
PERFORMER: T/SAC

PROVIDE ANALYTIC UNDERPINNINGS FOR TRADOC 99-09 WFLA. COMPONENTS ARE: FORCE PACKAGE ABBREVIATED ANALYSES; ANALYTIC LITERATURE REVIEW TO SUPPORT LENS ASSESSMENT; SCENARIO BRIEFINGS TO PROVIDE COMMON FRAMEWORK FOR COUNCIL; QUICK RESPONSE ANALYSES; PROCESS ASSESSMENT.

---

PROJECT TITLE: INTEGRATED AC/ARNG DIVISION STUDY

PUIC: ATRCSQ018  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: TRADOC  
PERFORMER: T/SAC

STUDY WILL ASSESS VIABILITY OF THE CONCEPT FOR AN INTEGRATED AC/NG DIVISION, BY ADDRESSING DOCTRINAL, ORGANIZATIONAL, TRAINING, MOBILIZATION, AND WARFIGHTING IMPACTS. THESE CONCEPTS WILL BE INTEGRATED INTO THE TOTAL ARMY ANALYSIS BY TRADOC'S FORCE DESIGN DIRECTORATE.

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PROJECT TITLE: ARMY AFTER NEXT

PUIC: ATRCSQ019  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: TRADOC  
PERFORMER: T/SAC

STUDY WILL HELP FRAME ISSUES VITAL TO THE DEVELOPMENT OF THE U.S. ARMY AFTER ABOUT 2010, CONNECTING FORCE XXI AND THE ARMY'S R&D PROGRAMS TO THE LONG-TERM VISION OF THE ARMY. THESE ISSUES WILL THEN BE INTEGRATED INTO TRADOC COMBAT DEVELOPMENT PROGRAMS FOR MORE DETAILED EXPLORATION.

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PROJECT TITLE: TRUCK REQUIREMENTS STUDY

PUIC: ATRCSR001  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: TRADOC  
PERFORMER: T/SAC

EXAMINE THE STATE OF THE ARMY'S TRUCK FLEET, BOTH CURRENT AND FUTURE, TO MEET THE LOGISTIC NEEDS DURING FUTURE CONFLICTS AND DEPLOYMENTS.

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FY97 ARMY STUDY PROGRAM  
LIST BY SPONSOR

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SPONSOR: TRADOC

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PROJECT TITLE: FORCE XXI BATTLE COMMAND-BRIGADE AND BELOW (FBCB2) AOA

PUIC: ATRCTR001

CONDUCT AN ANALYSIS OF THE FORCE XXI BATTLE COMMAND BRIGADE AND BELOW SYSTEMS.

DTIC NUMBER:

CONTRACT NUMBER:

SPONSOR: TRADOC

PERFORMER: T/WSMR

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PROJECT TITLE: TRAC SUPPORT TO THE COMMISSION ON ROLES AND MISSIONS (CORM)

PUIC: ATRCTR002

ANALYTIC SUPPORT TO INVESTIGATE ARMY ROLES AND MISSIONS ISSUES. LOOK AT ROLES AND MISSIONS ACROSS SERVICE LINES WITH CONCENTRATION ON POSSIBLE REDUNDANCIES OR DUPLICATIONS. EMPHASIS IS TO STREAMLINE FOR ECONOMY.

DTIC NUMBER:

CONTRACT NUMBER:

SPONSOR: TRADOC

PERFORMER: T/OD

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PROJECT TITLE: ANTI-ARMOR MASTER PLAN (A2MP)

PUIC: ATRCTR003

ASSIST IN THE PLANNING AND COORDINATION OF THE ARMY'S ANTI-ARMOR PROGRAM AND ASSOCIATED SYSTEM/MUNITIONS.

DTIC NUMBER:

CONTRACT NUMBER:

SPONSOR: TRADOC

PERFORMER: T/OD

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PROJECT TITLE: SURVIVABLE ARMED RECONNAISSANCE ON THE DIGITAL BATTLEFIELD

PUIC: ATRCTR004

DEMONSTRATE AND EVALUATE INTERCONNECTIVITY AND INTEGRATE RSTA TECHNOLOGIES AND CONCEPTS INTO THE JOINT DIGITAL BATTLEFIELD.

DTIC NUMBER:

CONTRACT NUMBER:

SPONSOR: TRADOC

PERFORMER: T/OD

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PROJECT TITLE: ACQUISITION SIMULATION

PUIC: ATRCWN007

ACQSIM IS A RESEARCH INITIATIVE TO INVESTIGATE AND IMPLEMENT METHODS TO IMPROVE CAPABILITY TO MODEL SEARCH AND TARGET ACQUISITION (STA) & RESOLVE IDENTIFIED INCONSISTENCIES IN EXISTING MODELS. THE FOCUS OF THIS PROGRAM IS TO EVALUATE EXISTING STA MODELS. DATE CHG TO REFLECT INTEGRATION OF ACQSI M LAB TO THIS PROJ.

DTIC NUMBER:

CONTRACT NUMBER:

SPONSOR: TRADOC

PERFORMER: T/WSMR

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PROJECT TITLE: UNIV OF NO DAKOTA ROTARY WING AVIATOR TRAINING PGM TEA

PUIC: ATRCWN013

STUDY WILL EVALUATE AND COMPARE ONGOING ARMY-SPONSORED AVIATOR TRAINING PROGRAMS LOCATED AT USAAVNC AND AT UNIV OF NORTH DAKOTA. TRAINING EFFECTIVENESS AND COST WILL BE EXAMINED FOR BOTH PROGRAMS. FEEDER REPORTS WILL BE PUBLISHED ANNUALLY WITH A CAPSTONE REPORT PRODUCED BY END OF FY97.

DTIC NUMBER:

CONTRACT NUMBER:

SPONSOR: TRADOC

PERFORMER: T/WSMR



FY97 ARMY STUDY PROGRAM  
LIST BY SPONSOR

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SPONSOR: TRADOC

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PROJECT TITLE: SEMI-AUTOMATED FORCES (DIS) DEVELOPMENT

PUIC: ATRCWO006  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: TRADOC  
PERFORMER: T/WSMR

STUDY IS DIRECTED TOWARDS DEVELOPMENT OF O&O CONCEPTS IN AN INTERACTIVE MODEL OR MODE SUCH AS DIS AND THEN, USING THIS AS A BASE CASE, DO THE REPLICATIONS IN AN ANALYTIC MODEL TO INSURE STATISTICAL STABILITY OF RESULTS. WILL REQUIRE INTERFACING OF CASTFOREM I/O WITH DIS PROTOCOLS. ENDING DATE CHG DUE TO CHG BY DCSOPS IN SCOPE & PROJECT.

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PROJECT TITLE: PRIME PFTEA

PUIC: ATRCWO019  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: TRADOC  
PERFORMER: T/WSMR

FOCUS ON TASKS TRAINED, TRANSFER OF SKILLS, SOLDIER USABILITY, AND COMPARISON TO ALTERNATIVE MEANS OF TRAINING THOSE TASKS. SUPPORT FURTHER ACQUISITION OF PRIME. THIS SUPPORTS SIM2 EFFORTS BUT IS A SEPARATE STUDY EFFORT.

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PROJECT TITLE: NIGHT OPERATIONS IN COMBAT SIMULATIONS PROJECT

PUIC: ATRCWO027  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: TRADOC  
PERFORMER: T/WSMR

STUDY WILL DEVELOP STANDARD HIGH RESOLUTION SCENARIOS OF NIGHT OPERATIONS. WILL DEVELOP AND IMPLEMENT COMBAT SIMULATION FOR APPLICATION TO STUDY ISSUES RELATING TO SENSOR AND WEAPON EFFECTIVENESS, WHICH CAN DISCRIMINATE BETWEEN ALTERNATIVES IN THE NIGHT COMBAT ENVIRONMENT.

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PROJECT TITLE: CLOSE COMBAT MODEL IMPROVEMENT PROGRAM

PUIC: ATRCWO030  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: TRADOC  
PERFORMER: T/WSMR

THIS STUDY WILL CONDUCT RESEARCH AND DEVELOP MODIFICATIONS TO ENHANCE JANUS AND CASTFOREM REPRESENTATIONS OF INDIVIDUAL DISMOUNTED COMBATANT. NON-LETHAL REPRESENTATION ADDED TO PROJECT. ADDITIONAL REQUIREMENTS RECEIVED FROM SPONSOR.

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PROJECT TITLE: TASK FORCE XXI

PUIC: ATRCWO032  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: TRADOC  
PERFORMER: T/WSMR

SUPPORT OF JOINT VENTURE AWE ANALYZE BN/BDE ORGANIZATIONAL CHANGES, DIGITAL EQUIPMENT REQUIREMENTS, FIRE SUPPORT CHANGES, BATTLE COMMAND PROCESSES AND INTELLIGENCE FUSION UNDER FORCE XXI TO ACHIEVE ENHANCED LETHALITY, SURVIVABILITY AND TEMPO.

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PROJECT TITLE: HI-RES SCENARIO 38 (LT INF DEFENSE - SWA)

PUIC: ATRCWO033  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: TRADOC  
PERFORMER: T/WSMR

STUDY WILL UPDATE THE HRS 38 SCENARIO FOR USE IN THE CASTFOREM MODEL. PHASE II WILL PUT CLOSE BATTLE INTO SCENARIO. REDEFINITION OF STUDY REQUIREMENT BY SPONSOR.



FY97 ARMY STUDY PROGRAM  
LIST BY SPONSOR

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SPONSOR: TRADOC

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PROJECT TITLE: BATTLEFIELD IDENTIFICATION COEA

PUIC: ATRCWO035  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: TRADOC  
PERFORMER: T/WSMR

STUDY WILL BE CONDUCTED IN TWO PHASES. FIRST PHASE WILL IDENTIFY TECHNOLOGIES FOR A COMBAT ID SYSTEM THAT CAN REDUCE GROUND-TO-GROUND FRATRICIDE. SECOND PHASE WILL DETERMINE COST AND OPERATIONAL EFFECTIVENESS OF SYSTEMS IDENTIFIED IN PHASE 1. STILL AWAITING TASKER

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PROJECT TITLE: AIRBORNE STANDOFF MINEFIELD DETECTION SYSTEM TEA

PUIC: ATRCWP001  
DTIC NUMBER: 6ZK06K  
CONTRACT NUMBER:  
SPONSOR: TRADOC  
PERFORMER: T/WSMR

TEA WILL DETERMINE MOST COST EFFECTIVE MIX OF UNIT, INSTITUTION, AND DISTRIBUTIVE TRAINING STRATEGIES FOR ASTAMIDS. WILL ALSO DETERMINE PROPER MIX OF SIMULATION AND HANDS-ON TRAINING PROGRAMS. WILL DETERMINE HOW EXTENSIVE TRAINING SHOULD BE TO PREPARE FOR AND MAINTAIN EFFECTIVENESS.

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PROJECT TITLE: COUNTERMOBILITY REMOTE CONTROL SYSTEM TEA

PUIC: ATRCWP005  
DTIC NUMBER: 6ZJ50M  
CONTRACT NUMBER:  
SPONSOR: TRADOC  
PERFORMER: T/WSMR

TEA WILL EVALUATE CIRCE IMPACT ON TRAINING STRATEGY FOR UNIT AND INSTITUTION TRAINING FOR MOS 12B. WILL DETERMINE COST EFFECTIVE MIX OF UNIT, INSTITUTION, AND DISTRIBUTIVE TRAINING STRATEGIES FOR CIRCE. WILL DETERMINE MIX OF TRAINING AIDS, DEVICES, SIMULATIONS, AND HANDS ON TRAINING.

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PROJECT TITLE: HEAVY DRY SUPPORT BRIDGE TEA

PUIC: ATRCWP008  
DTIC NUMBER: 6ZP48F  
CONTRACT NUMBER:  
SPONSOR: TRADOC  
PERFORMER: T/WSMR

STUDY WILL EVALUATE IMPACT OF HDSB ON TRAINING STRATEGY FOR UNIT AND INSTITUTIONAL TRAINING FOR MOS 12C. FIELDING HDSB ON THE TRANSPORTER WILL INCREASE O&S COST TO TRAIN MOS 12C THROUGHOUT ARMY. STUDY WILL ADDRESS HOW TO BEST TRAIN SOLDIERS ON HDSB AND IDENTIFY NEEDED TRAINING DEVICES.

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PROJECT TITLE: TRAC-WSMR SUPPORT TO DA COST REVIEW BOARD

PUIC: ATRCWP012  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: TRADOC  
PERFORMER: T/WSMR

EFFORTS WILL SUPPORT THE DA COST REVIEW BOARD (CRB) WORKING GROUP WHICH RECOMMENDS THE ARMY COST POSITION (ACP) FOR MAJOR MILESTONE REVIEWS AT ASARCS. SPECIFIC PROJECTS WILL BE DETERMINED BY MAJOR MILESTONE REVIEWS AT ASARCS.

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PROJECT TITLE: SOVIET ANALYTIC METHODS FOR OPERATIONS ANALYSIS

PUIC: ATRCWP015  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: TRADOC  
PERFORMER: T/WSMR

STUDY WILL PROVIDE EXPOSITORY REPORTS, ALGORITHMS, AND "STAND-ALONE" SOFTWARE OF RUSSIAN METHODS OF USING MATHEMATICS IN THE PLANNING OF COMBAT OPERATIONS. THESE METHODS ARE USED BY THE RUSSIANS AND OTHER COUNTRIES SUCH AS IRAQ, CHINA, AND N. KOREA. FUNDING REQUIRED FOR TRANSLATION SUPPORT.

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FY97 ARMY STUDY PROGRAM  
LIST BY SPONSOR

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SPONSOR: TRADOC

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PROJECT TITLE: TF XXI AWE TEA

PUIC: ATRCWP019  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: TRADOC  
PERFORMER: T/WSMR

ANALYSIS WILL FORMULATE SPECIFIC EVALUATION PLAN FOR LARGE SCALE EXERCISE DESIGNED TO INTEGRATE LESSONS LEARNED FROM FY95 AWES. ANALYSTS WILL PART-ICIPATE WITH THE BRIGADE 96 EVALUATION TEAM IN DATA COLLECTION AND ANALYSIS.

---

PROJECT TITLE: LOSS IN PROFICIENCY OF GRADUATES

PUIC: ATRCWP020  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: TRADOC  
PERFORMER: T/WSMR

STUDY WILL EXPLORE IMPACT OF RESOURCE REDUCTION ON TRADOC SCHOOL GRADUATES FOR COMBAT, COMBAT SUPPORT, AND CSS FORCES. WILL DEVELOP FORECASTING TOOLS TO ASSIST IN DETERMINING IMPACTS ON SCHOOL GRADUATES AS TRADOC RESOURCES ARE CUT.

---

PROJECT TITLE: STANDOFF MINEFIELD BREACHER TEA

PUIC: ATRCWP022  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: TRADOC  
PERFORMER: T/WSMR

TEA WILL DETERMINE MOST COST EFFECTIVE MIX OF UNIT, INSTITUTION, AND DISTRIBUTIVE TRAINING STRATEGIES FOR SMB. WILL ALSO DETERMINE PROPER MIX OF TRAINING AIDS, DEVICES, SIMULATIONS, AND SIMULATORS (TADSS) AND HANDS-ON TRAINING. ASSESS EXTENT OF TRAINING REQUIRED FOR COMBAT EFFECTIVENESS.

---

PROJECT TITLE: GRIZZLY TEA

PUIC: ATRCWP023  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: TRADOC  
PERFORMER: T/WSMR

EVALUATE PROPOSED BREACHER (GRIZZLY) TRAINING AND DETERMINE POTENTIAL IMPACT DEPLOYMENT WILL HAVE ON TRAINING RESOURCES.

---

PROJECT TITLE: INTERNATIONAL COMBAT IDENTIFICATION STUDY

PUIC: ATRCWP025  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: TRADOC  
PERFORMER: T/WSMR

THIS IS THE US OPERATIONAL ANALYSIS SUPPORT TO THE COMBINED STUDY EFFORT OF THE US, UK, GE, FR IN ASSESSING AND EVALUATING COMBAT IDENTIFICATION DEVICES. STUDY WILL PROVIDE INSIGHTS ON HOW MODELING/ANALYTICAL EFFORTS OF THE FOUR NATIONS COMPARE.

---

PROJECT TITLE: IMPORTING OF HI-RES SCENARIOS INTO CASTFOREM

PUIC: ATRCWP026  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: TRADOC  
PERFORMER: T/WSMR

EFFORT WILL IMPORT THE FOLLOWING SCENARIOS (PROJECTED TO BE DEVELOPED BY T/SWC ON JANUS) INTO CASTFOREM: MECH BDE NIGHT SCENARIO (NEA) AND THE TASKFORCE XXI SCENARIO. THIS EFFORT WILL MAKE MORE SCENARIOS AVAILABLE TO ANALYSTS IN CONDUCTING MAJOR COEAS.



FY97 ARMY STUDY PROGRAM  
LIST BY SPONSOR

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SPONSOR: TRADOC

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PROJECT TITLE: COMBINED TACTICAL VEHICLE SIMULATOR PTDS

PUIC: ATRCWQ001  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: TRADOC  
PERFORMER: T/WSMR

THE PRELIMINARY TRAINING DEVELOPMENT STUDY WILL DEVELOP THE INFO NECESSARY FOR THE USAES AND DA TO DECIDE WHETHER OR NOT TO PROCEED WITH DEVELOPMENT OF A COMBINED TACTICAL VEHICLE SIMULATOR COMBINING THE GRIZZLY, WOLVERINE AND ENCATT SIMULATORS.

---

PROJECT TITLE: DTSS/QRMP TIA

PUIC: ATRCWQ002  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: TRADOC  
PERFORMER: T/WSMR

EVALUATE THE TRAINING IMPACT THE DIGITAL TOPOGRAPHIC SUPPORT SYSTEM/QUICK RESPONSE MULTICOLOR PRINTER WILL HAVE ON THE TRAINING STRATEGY FOR UNIT AND INSTITUTIONAL TRAINING FOR THE 81 CMF. FIELDING OF THE DTSS/QRMP WILL INCREASE THE OPERATING & SUPPORT COST OF TRAINING FOR 81 CMF FOR ARMY.

---

PROJECT TITLE: COMBAT ENGINEER VEHICLE SIMULATOR PTDS

PUIC: ATRCWQ003  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: TRADOC  
PERFORMER: T/WSMR

THE PRELIMINARY TRAINING DEVELOPMENT STUDY WILL DEVELOP THE INFO NECESSARY FOR THE USAES AND DA TO DECIDE WHETHER TO PROCEED WITH DEVELOPMENT OF A COMBAT ENGINEER VEHICLE SIMULATOR.

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PROJECT TITLE: MEDIUM EXTENDED AIR DEFENSE TEA

PUIC: ATRCWQ004  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: TRADOC  
PERFORMER: T/WSMR

STUDY WILL DETERMINE THE PREFERRED METHOD OF TRAINING THE MEADS. THE TEA WILL SUPPORT THE COEA AND MILESTONE II DECISION IN FY 97.

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PROJECT TITLE: ADVANCED TECHNOLOGY VEHICLES COEA

PUIC: ATRCWQ005  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: TRADOC  
PERFORMER: T/WSMR

STUDY WILL PROVIDE COMBAT EFFECTIVENESS INFORMATION, COST DATA, TRAINING, AND LOGISTICS DATA ON AN ADVANCED TECHNOLOGY VEHICLE. STUDY WILL SUPPORT A 4QFY97 MILESTONE II REVIEW OF A CLASSIFIED SYSTEM.

---

PROJECT TITLE: THEATER HIGH ALTITUDE AREA DEFENSE (THAAD) TEA

PUIC: ATRCWQ006  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: TRADOC  
PERFORMER: T/WSMR

STUDY WILL DETERMINE PREFERRED METHOD OF TRAINING THE THAAD SYSTEM. STUDY WILL SUPPORT A MILESTONE II DECISION IN FY96.



FY97 ARMY STUDY PROGRAM  
LIST BY SPONSOR

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SPONSOR: TRADOC

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PROJECT TITLE: WOLVERINE TEA

PUIC: ATRCWQ007  
DTIC NUMBER: 6ZJ06L  
CONTRACT NUMBER:  
SPONSOR: TRADOC  
PERFORMER: T/WSMR

ANALYZE THE WOLVERINE (HEAVY ASSAULT BRIDGE) IN TERMS OF COSTS AND  
POTENTIAL TRAINING BENEFITS. IDENTIFY TRAINING RELATED IMPACTS  
ASSOCIATED WITH THE CONSOLIDATION OF MOS 12B, COMBAT ENGINEER, AND 12F,  
ENGINEER TRACKED VEHICLE CREWMAN.

---

PROJECT TITLE: JANUS 7.0 DEVELOPMENT

PUIC: ATRCWQ011  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: TRADOC  
PERFORMER: T/WSMR

STUDY WILL DEVELOP AND IMPLEMENT FEATURES REQUIRED TO KEEP JANUS CURRENT  
AND RELEVANT TO ARMY COMBAT DEVELOPMENT ISSUES.

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PROJECT TITLE: CASTFOREM DEVELOPMENT

PUIC: ATRCWQ012  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: TRADOC  
PERFORMER: T/WSMR

STUDY WILL DEVELOP AND IMPLEMENT FEATURES REQUIRED TO KEEP CASTFOREM  
CURRENT AND RELEVANT TO ARMY COMBAT DEVELOPMENT ISSUES.

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PROJECT TITLE: TRAC-WSMR SUPPORT TO D&SA BATTLE LAB

PUIC: ATRCWQ013  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: TRADOC  
PERFORMER: T/WSMR

T/WSMR WILL PROVIDE MODELING AND ANALYTIC SUPPORT TO THE D&SA BATTLE LAB  
IN FY 97. MODELING WORK WILL BE IN THE FORM OF INTEGRATING ATTACK OPS  
ALGORITHMS DEVELOPED DURING TMD AWE FOR THE ATTACK OPS VERSION OF TAFSM  
TAFSM INTO THE BATTLE LAB CONFIGURATION CONTROLLED TAFSM.

---

PROJECT TITLE: UNIT LEVEL LOGISTICS SYSTEM EMBEDDED TRAINING TEA

PUIC: ATRCWQ014  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: TRADOC  
PERFORMER: T/WSMR

COMPARE USE OF ET WITH CURRENT TRAINING METHODS IN TERMS OF COST AND  
TRAINING EFFECTIVENESS. IS ET A COST AND TRAINING EFFECTIVE WAY TO MEET  
THE VERY LARGE AND COMPLEX TRAINING CHALLENGE BROUGHT ON BY THE RAPID  
PROLIFERATION OF AUTOMATION IN ARMY UNITS?

---

PROJECT TITLE: ANALYTIC ENHANCEMENTS TO MODSAF

PUIC: ATRCWQ017  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: TRADOC  
PERFORMER: T/WSMR

EXAMINE EXISTING MODSAF AND AVAILABLE ANALYSIS TOOLS AND MAKE CHANGES TO  
MODSAF TO ENHANCE ITS ABILITIES TO BE USED FOR ANALYSIS.



FY97 ARMY STUDY PROGRAM  
LIST BY SPONSOR

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SPONSOR: TRADOC

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PROJECT TITLE: JANUS 6 - USER SUPPORT

PUIC: ATRCWQ018      PROVIDE STUDY SPECIFIC CODE CHANGES TO JANUS VERSION 6.0 IN SUPPORT OF  
DTIC NUMBER:      1STHALF FY97 AR5-5 STUDIES PERFORMED BY TRAC-WSMR. PROVIDE PHONE IN  
CONTRACT NUMBER:      HELP, ADVICE AND TROUBLE SHOOTING FOR ALL ANALYTICAL USERS OF JANUS.  
SPONSOR: TRADOC  
PERFORMER: T/WSMR

---

PROJECT TITLE: HEAVY BRIGADE OPERATIONS (HRS 63)

PUIC: ATRCWQ019      PRODUCE NEW STANDARD TRADOC SCENARIO PROVIDING TOOL FOR ANALYSIS OF ARMY  
DTIC NUMBER:      HEAVY BRIGADE CAPABILITIES IN THEATER OTHER THAN SOUTHWEST ASIA OR  
CONTRACT NUMBER:      NORTHEAST ASIA. TRAC AND MOUNTED BATTLESPACE BATTLE LAB AND ARMOR SCHOOL  
SPONSOR: TRADOC      WILL CONDUCT DYNAMIC GAMING OF THIS SCENARIO.  
PERFORMER: T/WSMR

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PROJECT TITLE: DIVISION CAVALRY GUARD (HRS 61)

PUIC: ATRCWQ020      PRODUCE NEW STANDARD TRADOC SCENARIO PROVIDING TOOL FOR ANALYSIS OF ARMY  
DTIC NUMBER:      DIVISION CAVALRY CAPABILITIES. TRAC AND MOUNTED BATTLESPACE BATTLE LAB  
CONTRACT NUMBER:      AND ARMOR SCHOOL WILL CONDUCT DYNAMIC GAMING OF THIS SCENARIO.  
SPONSOR: TRADOC  
PERFORMER: T/SWC

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PROJECT TITLE: ARMORED CAVALRY REGIMENT GUARD (HRS 62)

PUIC: ATRCWQ021      PRODUCE NEW STANDARD TRADOC SCENARIO PROVIDING TOOL FOR ANALYSIS OF ARMY  
DTIC NUMBER:      REGIMENTAL CAVALRY CAPABILITIES. TRAC AND MOUNTED BATTLESPACE BATTLE LAB  
CONTRACT NUMBER:      AND ARMOR SCHOOL WILL CONDUCT DYNAMIC GAMING OF THIS SCENARIO.  
SPONSOR: TRADOC  
PERFORMER: T/WSMR

---

PROJECT TITLE: BRIGADE DESIGN ANALYSIS PHASE II

PUIC: ATRCWQ022      PROVIDE ANALYTICAL BASIS FOR DESIGN OF THE FORCES TO MEET THE CHALLENGES  
DTIC NUMBER:      OF THE TWENTY-FIRST CENTURY. THIS STUDY IS AN IMPORTANT STEP IN THE  
CONTRACT NUMBER:      BUILDING BLOCK APPROACH IN DETERMINING THE OPTIMAL FORCE STRUCTURE FOR ARMY  
SPONSOR: TRADOC      DIVISIONS OF THE FUTURE.  
PERFORMER: T/WSMR

---

PROJECT TITLE: DIVISION XXI ADVANCED WARFIGHTING EXPERIMENT TEA

PUIC: ATRCWQ023      EXAMINE TRAINING ISSUES ASSOCIATED WITH THE OBJECTIVE FORCE XXI DIGITIZED  
DTIC NUMBER:      DIVISION. ISSUES INCLUDE TRAINING FORCE XXI OPERATIONAL CONCEPTS THAT  
CONTRACT NUMBER:      INCLUDE BATTLE COMMAND, CSS, AND INFORMATION OPERATIONS.  
SPONSOR: TRADOC  
PERFORMER: T/WSMR

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FY97 ARMY STUDY PROGRAM  
LIST BY SPONSOR

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SPONSOR: TRADOC

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PROJECT TITLE: ASSAULT VEHICLE TEA

PUIC: ATRCWR001  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: TRADOC  
PERFORMER: T/WSMR

DEVELOP NECESSARY INFORMATION TO DECIDE MOST COST AND TRAINING EFFECTIVE COMBINATION OR TRAINING AIDS, DEVICES, SIMULATORS AND SIMULATIONS (TADDS) FOR AN ABRAMS BASED COMBAT ENGINEER VEHICLE (CEV). AID USAES IN DETERMINING MOST COST AND TRAINING EFFECTIVE STRATEGY FOR INST & UNIT TNG.

---

PROJECT TITLE: CJ COEA

PUIC: ATRCWR002  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: TRADOC  
PERFORMER: T/WSMR

SUPPORT MILESTONE II DECISION ON A CLASSIFIED SYSTEM

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PROJECT TITLE: INTERNATIONAL STUDY SUPPORT TO ABCA

PUIC: ATRCWR003  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: TRADOC  
PERFORMER: T/WSMR

COORDINATE EFFORTS BY THE ABCA COUNTRIES IN THE AREAS OF BATTLEFIELD DIGITIZATION, DISTRIBUTED INTERACTIVE SIMULATION, AND COMBAT IDENTIFICATION.

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PROJECT TITLE: RAH-66 COMANCHE CTEA

PUIC: ATRCWR004  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: TRADOC  
PERFORMER: T/WSMR

UPDATE EXISTING CTEA FOR THE APPROVED ACQUISITION PROGRAM FOR THE COMANCHE. SUPPORT MSIII DECISION.

---

PROJECT TITLE: AIR TRAFFIC NAVIGATION AND INTEGRATED COMMUNICATIONS TIA

PUIC: ATRCWR005  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: TRADOC  
PERFORMER: T/WSMR

DETERMINE THE IMPACT OF CHANGING THE 15G16 RADAR SIMULATOR TO A MODERN VERSION OF AIR TRAFFIC CONTROL, THE ATNAVICS.

---

PROJECT TITLE: TERRAIN CONVERSION/CORRELATION TOOLS

PUIC: ATRCWR006  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: TRADOC  
PERFORMER: T/WSMR

DEVELOP AND COLLECT THE TOOLS NECESSARY TO CONVERT AND CORRELATE DATA-BASES FOR USE WITH THE DIS SIMULATIONS AND SIMULATORS. THE MOST TIME CONSUMING ISSUE IN SETTING UP DIS FOR A "FAIR FIGHT" BETWEEN TWO SIMULATORSIMULATIONS IS ENSURING TERRAIN REPRESENTATION IS ESSENTIALLY THE SAME.

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FY97 ARMY STUDY PROGRAM  
LIST BY SPONSOR

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SPONSOR: TRADOC

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PROJECT TITLE: CCTT ACCEPTANCE

PUIC: ATRCWR007  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: TRADOC  
PERFORMER: T/WSMR

SUPPORT OF TSM CATT WHO MUST ACCREDIT THE CLOSE COMBAT TACTICAL TRAINER FOR USE AS AN ARMY TRAINING DEVICE. SUPPORT TO REVIEW V&V SUPPLIED BY THE DEVELOPER, TO STRUCTURE ADDITIONAL V&V PROCEDURES, AND TO IMPLEMENT THOSE PROCEDURES TO DETERMINE LEVEL OF ACCREDITATION TO ASSIGN TO CCTT.

---

PROJECT TITLE: PLATOON GUNNERY TRAINER TEA

PUIC: ATRCWR008  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: TRADOC  
PERFORMER: T/WSMR

EVALUATE TRAINING REQUIREMENT FOR LINKING TANK CONDUCT OF FIRE TRAINERS AND FOR INCORPORATING ENHANCED IMAGERY. IDENTIFY ANY SIGNIFICANT DEFICIENCIES WITH CURRENT METHODS OF PLATOON GUNNERY TRAINING.

---

PROJECT TITLE: THAAD USER OPERATIONAL EVALUATIONAL SYSTEM (UOES) TEA

PUIC: ATRCWR009  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: TRADOC  
PERFORMER: T/WSMR

ASSESS THE IMPACT ON THE ARMY AND USAADASCH CAUSED BY THE THAAD UOES BEING MISSION CAPABLE FROM FY98 UNTIL FY04, WHEN REGULAR SYSTEM FIELDING BEGINS. FOCUS ON THE TRAINING SUPPORT REQUIRED FOR THE FIRST UOES BATTALION AND THE TWO THAAD BATTERIES WITH DEMONSTRATION VALIDATION EQUIP.

---

PROJECT TITLE: M-139 MINE DISPENSER FOR THE UH-60 PFTEA

PUIC: ATRCWR010  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: TRADOC  
PERFORMER: T/WSMR

DETERMINE IF OPERATOR TRAINING FOR THE M-139 MINE DISPENSER IS EFFECTIVE.

---

PROJECT TITLE: GLOBAL POSITIONING SYSTEM PFTEA

PUIC: ATRCWR011  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: TRADOC  
PERFORMER: T/WSMR

DETERMINE IF NET AND RESIDENTIAL TRAINING ARE EFFECTIVE.

---

PROJECT TITLE: AIRCREW TRAINING PROGRAM/ANNUAL PROFICIENCY & READINESS TEST

PUIC: ATRCWR012  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: TRADOC  
PERFORMER: T/WSMR

DETERMINE THE NUMBER OF FLIGHT HOURS THAT CAN BE TRANSFERRED TO SIMULATOR TRAINING HOURS.

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FY97 ARMY STUDY PROGRAM  
LIST BY SPONSOR

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SPONSOR:        TRADOC

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PROJECT TITLE: ARMY MISSION PLANNING STATION TEA

PUIC: ATRCWR013

DETERMINE TRAINING AND UTILIZATION EFFECTIVENESS FOR THE AMPS SYSTEM.

DTIC NUMBER:

CONTRACT NUMBER:

SPONSOR: TRADOC

PERFORMER: T/WSMR

---

PROJECT TITLE: ARSOF COMBAT TRAINING CENTER OPERATIONAL SCENARIO REALISM

PUIC: ATRCWR014

REVIEW CURRENT AND PROPOSED CTC OPERATIONAL SCENARIOS FOR REALISM,  
DOCTRINAL CORRECTNESS, AND TRAINING VALUE. CORRECT CTC OPERATIONAL

DTIC NUMBER:

CONTRACT NUMBER:

SPONSOR: TRADOC

PERFORMER: T/WSMR

SCENARIO ARTIFICIALITIES WHICH HAVE LEAD TO INACCURATE IMPRESSIONS IN THE  
ARMY OF ARSOF OPERATIONAL CAPABILITIES AND RESPONSIBILITIES.

---

PROJECT TITLE: ARMY NATIONAL GUARD ENHANCED BDE SIMULATOR SUITE LOCATION

PUIC: ATRCWR015

DEVELOP LOCATION OPTIMIZATION MODELS TO DETERMINE WHERE TO LOCATE THE  
ARMY NATIONAL GUARD ENHANCED BRIGADE (HEAVY) SIMULATOR SUITES.

DTIC NUMBER:

CONTRACT NUMBER:

SPONSOR: TRADOC

PERFORMER: T/WSMR

---

PROJECT TITLE: ARMY DISTANCE LEARNING PLAN LOCATION ANALYSIS MODEL

PUIC: ATRCWR016

DEVELOP LOCATION ANALYSIS MODELS TO DETERMINE WHERE TO SITUATE ARMY  
RESERVE AND NATIONAL GUARD DISTANCE LEARNING CENTERS.

DTIC NUMBER:

CONTRACT NUMBER:

SPONSOR: TRADOC

PERFORMER: T/WSMR

---

PROJECT TITLE: PRECISION GUNNERY SYSTEM (PGS) PFTEA

PUIC: ATRCWR017

ASSESS THE VALUE OF THE PRECISION GUNNERY SYSTEM (PGS) TRAINING CONDUCTED  
AT FIELD SITES LOCATED AT FT. HOOD, FT. STEWART, AND FT. BENNING.

DTIC NUMBER:

CONTRACT NUMBER:

SPONSOR: TRADOC

PERFORMER: T/WSMR

---

PROJECT TITLE: SPECIAL FORCES ASSESSMENT & SELECTION EFFECTIVENESS VALIDATE

PUIC: ATRCWR018

PROVIDE A VALID BASIS FOR THE EFFECTIVE AND EFFICIENT RECRUITMENT,  
ASSESSMENT AND SELECTION FOR THE ARMY SPECIAL OPERATIONS FORCES SOLDIERS.  
DETERMINE THE COST EFFECTIVENESS OF SFAS AND PROVIDE AN ASSESSMENT OF THE  
SELECTION EFFICIENCY OF SFAS.

DTIC NUMBER:

CONTRACT NUMBER:

SPONSOR: TRADOC

PERFORMER: T/WSMR



FY97 ARMY STUDY PROGRAM  
LIST BY SPONSOR

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SPONSOR:        TRADOC

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PROJECT TITLE: JANUS 8.0 DEVELOPMENT

PUIC: ATRCWR019  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: TRADOC  
PERFORMER: T/WSMR

PROVIDE ENHANCEMENTS TO JANUS REQUIRED BY THE ARMY ANALYTICAL COMMUNITY AND AS APPROVED BY THE JANUS CONFIGURATION CONTROL BOARD. THE MAJOR ENHANCEMENT IS THE ABILITY TO CONDUCT STUDIES WITH MULTIPLE INSTANTIATIONS OF JANUS LINKED USING DIS PROTOCOL DATA UNITS GAMING A SINGLE SCENARIO.

---

PROJECT TITLE: JANUS 7.0 USER SUPPORT

PUIC: ATRCWR020  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: TRADOC  
PERFORMER: T/WSMR

PROVIDE STUDY SPECIFIC CODE CHANGES TO JANUS VERSION 7.0 IN SUPPORT OF 2ND HALF FY97 AR5-5 STUDIES PERFORMED BY TRAC-WSMR. PROVIDE PHONE IN HELP, ADVICE AND TROUBLE SHOOTING FOR ALL ANALYTICAL USERS OF JANUS.

---

PROJECT TITLE: AH-64 LONGBOW WEAPON SYSTEM PFTEA

PUIC: ATRCWR021  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: TRADOC  
PERFORMER: T/WSMR

DETERMINE TRAINING EFFECTIVENESS OF CONTRACTOR DEVELOPED LONGBOW TRAINING PSM.

---

PROJECT TITLE: DIVISION CAVALRY SCREEN (HRS 64)

PUIC: ATRCWR022  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: TRADOC  
PERFORMER: T/SWC

PRODUCE NEW STANDARD TRADOC SCENARIO PROVIDING TOOL FOR ANALYSIS OF ARMY DIVISION CAVALRY CAPABILITIES ON USACOM REGION. TRAC, DISMOUNTED BATTLESPACE BATTLE LAB AND ARMOR SCHOOL WILL CONDUCT DYNAMIC GAMING OF THIS SCENARIO.

---

PROJECT TITLE: DISTANCE LEARNING PROJECT

PUIC: ATRCWR023  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: TRADOC  
PERFORMER: T/WSMR

EXAMINE AVAILABLE MATERIALS AND TECHNOLOGY APPLICATIONS IN DISTANCE LEARNING, FOCUSING ON MEANINGFUL EVALUATIONS OF THE RESULTS OF SUCH EFFORTS. RESULT WILL BE A SINGLE USER'S REFERENCE CITING THE BEST AVAILABLE EVIDENCE FOR APPROACHES THAT WORK AND PITFALLS TO AVOID.

---

PROJECT TITLE: CORPS SAM/ MEDIUM EXTENDED AIR DEFENSE SYSTEM TEA

PUIC: ATRCWR024  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: TRADOC  
PERFORMER: T/WSMR

SUPPORT COEA MSII DECISION. DETERMINE OF THE TRAINING BASE CAN SUPPORT THE MEDIUM EXTENDED AIR DEFENSE SYSTEM.



FY97 ARMY STUDY PROGRAM  
LIST BY SPONSOR

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SPONSOR: TRADOC

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PROJECT TITLE: STANDARD MAINTENANCE SYSTEM (SMS) TEA

PUIC: ATRCWR025  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: TRADOC  
PERFORMER: T/WSMR

SMS WILL REPLACE THE SAMS-1 AND SAMS-2 SYSTEMS IN TASK FORCE XXI.  
IDENTIFY THE SHORTFALLS THAT WILL BE CORRECTED PRIOR TO FUTURE FIELDINGS.  
IDENTIFY UNANTICIPATED UNIT TRAINING NEEDS THAT REQUIRE ADJUSTMENTS TO  
THE TRAINING SYSTEM TO MAXIMIZE SUSTAINED UNIT WARFIGHTING CAPABILITY.

---

PROJECT TITLE: STANDARD ARMY RETAIL SUPPLY SYSTEM-OBJECTIVE (SARSS-O)

PUIC: ATRCWR026  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: TRADOC  
PERFORMER: T/WSMR

SARSS-O WILL REPLACE THREE CURRENTLY FIELDIED LOGISTICS AUTOMATION SYSTEMS  
WITH A REAL-TIME, INTERACTIVE SYSTEM WITH NUMEROUS INTERFACES. EVALUATE  
HOW WELL TRAINING (EXTENSION AND SCHOOL) IS MEETING NEEDS FOR THIS  
COMPLEX SOFTWARE. INCLUDE OPERATOR, MANAGERS, SYSTEM ADMIN, ADP  
PERSONNEL.

---

PROJECT TITLE: COMBAT SERVICE SUPPORT CONTROL SYSTEM (CSSCS) TEA

PUIC: ATRCWR027  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: TRADOC  
PERFORMER: T/WSMR

RELOOK FORCE XXI TRAINING AND FUTURE EXTENSION TRAINING TO ENSURE UNIT  
TRAINING NEEDS ARE BEING MET. ALSO IDENTIFY SEVERAL RISK FACTORS TO  
DETERMINE IF THE TRAINING SYSTEM ADOPTED FOR THE MULTI-MOS SYSTEM IS  
ADEQUATE.

---

PROJECT TITLE: UNIT LEVEL LOGISTICS SYSTEM (ULLS) - S4 TEA

PUIC: ATRCWR028  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: TRADOC  
PERFORMER: T/WSMR

EVALUATE THE INITIAL FIELDING TRAINING AND TRADOC SCHOOL TRAINING FOR  
BOTH BLOCK I AND BLOCK II OF ULLS-S4. STUDY DATES COVER THE TRANSITION  
FROM BLOCK I TO BLOCK II IN UNITS AND WILL SUPPORT THE UNIT ACCEPTANCE  
TEST FOR BLOCK II.

---

PROJECT TITLE: SYNTHETIC THEATER OF WAR - ARCHITECTURE (STOW-A) TEA

PUIC: ATRCWR029  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: TRADOC  
PERFORMER: T/WSMR

IDENTIFY TRAINING VALUE ADDED BY THE STOW-A BASELINE, WHICH WILL INCLUDE  
VIRTUAL, CONSTRUCTIVE AND LIVE ENVIRONMENTS.

---

PROJECT TITLE: RETURN ON INVESTMENT (ROI) FOR WARRIOR XXI

PUIC: ATRCWR030  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: TRADOC  
PERFORMER: T/WSMR

ESTABLISH THE RETURN-ON-INVESTMENT FOR IMPLEMENTING WARRIOR XXI.  
INCLUDE THE COST OF IMPLEMENTING THE WARRIOR XXI TECHNOLOGIES COMPARED TO  
THE COST SAVINGS FROM TRADITIONAL CLASSROOM TECHNIQUES.



FY97 ARMY STUDY PROGRAM  
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SPONSOR: TRADOC

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PROJECT TITLE: AVIATION COMBINED ARMS TACTICAL TRAINER RETURN ON INVESTMENT

PUIC: ATRCWR031  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: TRADOC  
PERFORMER: T/WSMR

INVESTIGATE TRAINING RESOURCE TRADEOFFS AFFORDED IN THE CAT STRATEGY BASED ON COST AND TRAINING EFFECTIVENESS OF ROTARY WING AVIATION TADSS. RESOURCES TO INCLUDE CONSTRUCTIVE/VIRTUAL/LIVE SIMULATIONS AND SIMULATORS TO INCLUDE AVCATT FOR FUTURE ATTACK, RECON, AND ASSAULT HELICOPTERS.

---

PROJECT TITLE: MOBILE CCTT SITE AND TRAINING UNIT SUPPORT ANALYSIS

PUIC: ATRCWR032  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: TRADOC  
PERFORMER: T/WSMR

DETERMINE THE MOST COST EFFECTIVE PLAN FOR HOME STATION SITES FOR EACH OF 21 M-CCTT PLATOON SYSTEMS FOR TRAINING NATIONAL GUARD UNITS. ADDRESS LOCATION OF HOME STATION SITES, UNITS THAT EACH M-CCTT SET WILL SUPPORT, AND LOCATIONS FROM WHICH THIS SUPPORT WILL BE PROVIDED.

---

PROJECT TITLE: JOINT ANTI-ARMOR RESOURCE REQUIREMENTS STUDY

PUIC: ATRCWR033  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: TRADOC  
PERFORMER: T/WSMR

EXAMINE ANTI-ARMOR SYSTEMS AND REQUIREMENTS FROM THE JOINT PERSPECTIVE.

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PROJECT TITLE: FUTURE SCOUT VEHICLE AOA

PUIC: ATRCWR034  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: TRADOC  
PERFORMER: T/WSMR

CONDUCT AN ANALYSIS OF ALTERNATIVES ON THE PROSPECTIVE FUTURE SCOUT VEHICLES.

---

PROJECT TITLE: CORPS SURFACE TO AIR MISSILE REQUIREMENTS ANALYSIS

PUIC: ATSACQ001  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: TRADOC  
PERFORMER: ADA

AN UPDATE TO THE CORPS SAM COEA DONE IN 1994. THE MS I DECISION IS SCHEDULED FOR SOMETIME IN THE 1996-1998 TIMEFRAME. AN UPDATE IS REQUIRED TO ENSURE THAT THE REQUIREMENTS HAVE NOT CHANGED. ANALYSIS SHOULD FOCUS ON USING AT LEAST TWO REGIONAL CONTINGENCY SCENARIOS (SWA-NORTH AND NEA).

---

PROJECT TITLE: TMD EXPERIMENT '96 CRUISE MISSILE DEFENSE ANALYSIS

PUIC: ATSACQ002  
DTIC NUMBER:  
CONTRACT NUMBER: DASG-60-92C00  
SPONSOR: TRADOC  
PERFORMER: ADA

DETERMINE MOST EFFECTIVE INTEGRATED ADA DEFENSE DESIGNS FOR COUNTERING COMBINED TBM/LAND ATTACK CRUISE MISSILE THREAT. DETERMINE MOST EFFECTIVE TASK ORGANIZATION OF FORCE PACKAGES OF AVAILABLE ADA FORCES FOR COUNTERING COMBINED TBM/LACM THREAT.

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FY97 ARMY STUDY PROGRAM  
LIST BY SPONSOR

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SPONSOR: TRADOC

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PROJECT TITLE: THEATER HIGH ALTITUDE AREA DEFENSE MS II SUPPORTING ANALYSIS

PUIC: ATSAQ003 IDENTIFY OPERATIONAL EFFECTIVENESS EXPECTED FROM THAAD OBJECTIVE SYSTEM  
AND SELECTED UPGRADES. STUDY IS AN INTEGRAL PART OF THE COST PERFORMANCE  
DTIC NUMBER: TRADES REQUIRED BY DOD 5000 SERIES AND REQUIRED TO SUPPORT MSII DECISION.  
CONTRACT NUMBER: DASG-60-92C00 ENABLE THAAD SYSTEM TO GO TO MSII.  
SPONSOR: TRADOC  
PERFORMER: ADA

---

PROJECT TITLE: AIR AND MISSILE DEFENSE TASK FORCE INTEGRATED FIRES ANALYSIS

PUIC: ATSAQ004 DETERMINE HOW THE INDIVIDUAL AND COMPLEMENTARY CAPABILITIES OF PAC-3 AND  
THAAD CAN BEST BE APPLIED TO MAXIMIZE CONTRIBUTION TO THE TMD WARFIGHT  
DTIC NUMBER: AND OVERALL ADA EFFECTIVENESS. IMPACT OF OTHER SERVICE AIR DEFENSE  
CONTRACT NUMBER: DASG-60-92C00 SYSTEMS WILL BE ADDRESSED. OUTLINE A JOINT POSITION ON AMDTF FIRES  
SPONSOR: TRADOC INTEGRATION.  
PERFORMER: ADA

---

PROJECT TITLE: SHORT RANGE AIR DEFENSE/FORWARD AREA AIR DEFENSE FOA

PUIC: ATSACR001 CHART THE LONG-RANGE FUTURE FOR SHORAD/FAAD. DEVELOP A VISION FOR  
DTIC NUMBER: FORWARD AREA/LOW ALTITUDE AIR DEFENSE. PROGRAM LONG-RANGE FUNDING OF BEST  
CONTRACT NUMBER: STRATEGY TO OVERCOME ANTICIPATED DEFICIENCIES OF CURRENT SYSTEMS.  
SPONSOR: TRADOC  
PERFORMER: ADA

---

PROJECT TITLE: FORCE XXI TRAINING DEVELOPMENT

PUIC: ATSBTL002 STUDY THE IMPACT ON TRAINING AS THE TOTAL FORCES MOVES FROM DEVICE-BASED  
DTIC NUMBER: TO A DEVICE-SUPPORTED TRAINING STRATEGY. STUDY THE IMPACT ON TRAINING AS  
CONTRACT NUMBER: THE TOTAL FORCE MOVES INTO DIGITAL OPERATIONS AND INFO MANAGEMENT. SCOPE  
SPONSOR: TRADOC WILL INCLUDE COMBINED ARMS AND TANK BATTALION TASK FORCES. EXT FOR  
PERFORMER: ARMC ENHANCED & VIRTUAL BRIGADES, AND DIGITIZED FINCH CAT

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PROJECT TITLE: STANDOFF MINEFIELD BREACHER COEA

PUIC: ATSECQ001 ANALYZE COST AND OPERATIONAL EFFECTIVENESS OF SMB ALTERNATIVES.  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: TRADOC  
PERFORMER: ENGS

---

PROJECT TITLE: WOLVERINE (HEAVY ASSAULT BRIDGE) COEA

PUIC: ATSECR001 UPDATE EXISTING COEA, ADDRESSING MOBILITY NRMN ANALYSIS; COST ANALYSIS TO  
DTIC NUMBER: INCLUDE LIFE CYCLE COST ANALYSIS TO RECEIVING ENGINEER UNITS; UPDATE  
CONTRACT NUMBER: TRAINING/TRAINER COST AND EFFECTIVENESS ANALYSIS; UPDATE LOGISTICS IMPACT  
SPONSOR: TRADOC ANALYSIS.  
PERFORMER: ENGS

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FY97 ARMY STUDY PROGRAM  
LIST BY SPONSOR

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SPONSOR: TRADOC

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PROJECT TITLE: GRIZZLY III COEA

PUIC: ATSECR002  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: TRADOC  
PERFORMER: ENGS

UPDATE EXISTING COEA, ADDRESSING MOBILITY NRMN ANALYSIS; CASTFOREM UPDATE AND IMPACT BY MODIFYING ENGINEER DOCTRINE ON COUNTERMINE BREACHING; COST ANALYSIS INCLUDING LIFE CYCLE COST IMPACT TO RECEIVING ENGINEER UNITS; UPDATE TRAINING/TRAINER COST AND EFFECTIVENESS; UPDATE LOGISTICS IMPACT

---

PROJECT TITLE: AIR STAMIDS COEA

PUIC: ATSECR003  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: TRADOC  
PERFORMER: ENGS

ANALYZE COST AND OPERATIONAL EFFECTIVENESS OF ASTAMIDS ALTERNATIVES. ASTAMIDS PROVIDES THE MANEUVER COMMANDER WITH TIMELY DETECTION OF THE PRESENCE AND LOCATION OF MINEFIELD/OBSTACLES.

---

PROJECT TITLE: INTELLIGENT MINEFIELD (IMF) OPERATIONAL EFFECTIVENESS

PUIC: ATSECR004  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: TRADOC  
PERFORMER: ENGS

PROVIDE QUANTITATIVE ASSESSMENT OF THE EFFECTIVENESS OF ALTERNATIVE IMF EMPLOYMENT TTP. PROVIDE QUANTITATIVE ASSESSMENT OF THE SENSITIVITY OF VARIOUS IMF PERFORMANCE CRITERIA WHICH WILL HELP DRIVE FOCUSED DEMVAL AND EMD CYCLES.

---

PROJECT TITLE: TARGET ACQUISITION FIRE SUPPORT MODEL SCENARIOS

PUIC: ATSFCO001  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: TRADOC  
PERFORMER: D&SA BL

STUDY WILL DEVELOP TAFSM MODEL VERSIONS OF TRADOC STANDARD LOW RESOLUTION SCENARIOS. CURRENT SCENARIO EFFORTS INCLUDE DEVELOPMENT OF TAFSM VERSIONS OF NEA 1.01, NEA 1.01 (HI-TECH THREAT), SWA 4.2, NEA 2.0, AND DEFENSE OF LODGEMENT. OTHER SCENARIO EFFORTS ARE TO BE DETERMINED. CONTINUING EFFORTS TO DEVELOP SCENARIOS FOR TAFSM.

---

PROJECT TITLE: TARGET ACQUISITION FIRE SUPPORT MODEL UPDATES

PUIC: ATSFCO003  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: TRADOC  
PERFORMER: D&SA BL

STUDY WILL UPDATE TAFSM TO CONFORM TO CONTINUAL REAL WORLD CHANGES. WILL INCLUDE MODELLING SADARM P3I, ARTY RESUPPLY, IMPROVEMENTS IN TARGET CLUSTERING ALGORITHMS, AND DIS COMPLIANCE TO INCLUDE INTEGRATION OF LIVE C2 IN DIS ENVIRONMENT AND MODELLING OF SMART & BRILLIANT MUNITIONS.

---

PROJECT TITLE: CRUSADER SOA

PUIC: ATSFCP004  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: TRADOC  
PERFORMER: FAS

STUDY WILL REVIEW O&O CONCEPT FOR ADVANCED FIELD ARTILLERY SYSTEM TO DETERMINE BEST EMPLOYMENT OF SYSTEM.

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FY97 ARMY STUDY PROGRAM  
LIST BY SPONSOR

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SPONSOR: TRADOC

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PROJECT TITLE: EXTENDED RANGE GUIDED MLRS ROCKET STUDY

PUIC: ATSFPC011  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: TRADOC  
PERFORMER: FAS

STUDY WILL DETERMINE EFFECTIVENESS OF USING AN EXTENDED RANGE UNGUIDED AND GUIDED MLRS ROCKET TO DELIVER A VARIETY OF MUNITIONS AND WILL DETERMINE OVERALL INCREASE IN FORCE EFFECTIVENESS FOR EACH ALTERNATIVE.

---

PROJECT TITLE: CHEMICAL/BIOLOGICAL OPERATIONAL SUPPORT SYSTEM

PUIC: ATZNCJ002  
DTIC NUMBER:  
CONTRACT NUMBER: DABT60-94D-00  
SPONSOR: TRADOC  
PERFORMER: CMLS

DEVELOP ACCESSIBLE, COMPUTERIZED, COMPREHENSIVE DATA BASE ON EFFECTS OF CML AGENTS, BIO AGENTS & SMOKE/OBSCURANTS ON THE BATTLEFIELD. INCLUDE DATA GENERATED BY VARIOUS MODELS AND STUDIES.

---

PROJECT TITLE: CHEMICAL CONTAMINATION FREQUENCY STUDY

PUIC: ATZNCP002  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: TRADOC  
PERFORMER: CMLS

COLLECT DATA FROM SCENARIO RELATED WARGAMING REPORTS/EXERCISES THAT CAN BE USED AS A BASIS FOR ESTABLISHING MATERIEL REQUIREMENTS FOR CHEMICAL DEFENSE EQUIPMENT AND ESTABLISHING BASIC LOADS OF CDE AND DECONTAMINANTS. ESTABLISH FREQUENCY OF CHEMICAL CONTAMINATION AS A FUNCTION OF TIME.

---

PROJECT TITLE: JOINT SERVICE NBC DEFENSE PROCESS IMPROVEMENTS

PUIC: ATZNCQ001  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: TRADOC  
PERFORMER: CMLS

ANALYZE PROCESS FOR MANAGING AND INTEGRATING THE JOINT SERVICE NBC DEFENSE PROGRAM. THE CURRENT PROCESS IS NEW AND UNVALIDATED. DETERMINE IF CHANGES MIGHT AFFORD BETTER ECONOMY AND EFFICIENCY.

---

PROJECT TITLE: AVIM CONTAINERIZATION AND MODERNIZATION PROGRAM

PUIC: ATZQCQ004  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: TRADOC  
PERFORMER: AVNC

PROVIDE AN ASSESSMENT OF COST AND OPERATIONAL EFFECTIVENESS OF THE AVIM CONTAINERIZATION AND MODERNIZATION PROGRAM. DETERMINE ONE MODERNIZED SHOP COMPLEX THAT WILL SERVE BOTH THE DIVISIONAL AND NONDIVISIONAL AVIM UNITS. WAIVER SUBMISSION ON HOLD; AWAITING RECEIPT OF TRAINING ANNEX

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PROJECT TITLE: AIR WARRIOR SYSTEM ANALYSIS

PUIC: ATZQCQ005  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: TRADOC  
PERFORMER: AVNC

PROVIDE AN ASSESSMENT OF COST AND OPERATIONAL EFFECTIVENESS OF THE AIR WARRIOR, AN ENSEMBLE OF AVIATION PERSONAL EQUIPMENT. RESULTS WILL BE USED IN MAKING A MILESTONE I/II DECISION

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FY97 ARMY STUDY PROGRAM  
LIST BY SPONSOR

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SPONSOR: TRADOC

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PROJECT TITLE: DIGITAL SOURCE COLLECTOR (DSC) AOA

PUIC: ATZQCR001 DETERMINE THE COST SAVINGS AND BENEFIT OF THE DIGITAL SOURCE COLLECTOR.  
DTIC NUMBER: THE DCS RESPONDS TO A NEED IN THE DIGITIZATION MISSION NEED STATEMENT TO  
CONTRACT NUMBER: REDUCE TOTAL WORKLOAD THROUGH AUTOMATED FAULT IDENTIFICATION AND  
SPONSOR: TRADOC PRIORITIZATION. WAIVER REQUESTED THROUGH TRADOC TO PEO-AVIATION IN APR 96  
PERFORMER: AVNC

---

PROJECT TITLE: AVIATION LIGHTWEIGHT ELECTRIC FUEL SYSTEM (ALEFS) AOA

PUIC: ATZQCR002 DETERMINE THE BENEFIT OF A STANDARDIZED, LIGHTWEIGHT ELECTRIC REFUELING  
DTIC NUMBER: SYSTEM FOR ARMY AVIATION. DETERMINE THE BEST SYSTEM TO ACCOMPLISH THIS  
CONTRACT NUMBER: MISSION  
SPONSOR: TRADOC  
PERFORMER: AVNC

---

PROJECT TITLE: COCKPIT AIRBAG SYSTEM AOA

PUIC: ATZQCR003 DETERMINE THE NEED AND BENEFIT OF A HELICOPTER AIRBAG SYSTEM. WAIVER  
DTIC NUMBER: RECOMMENDED.  
CONTRACT NUMBER:  
SPONSOR: TRADOC  
PERFORMER: AVNC

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PROJECT TITLE: AIR WARRIOR AOA

PUIC: ATZQCR004 DETERMINE THE COST SAVINGS AND BENEFIT OF THE AIR WARRIOR. RECOMMEND  
DTIC NUMBER: WAIVER  
CONTRACT NUMBER:  
SPONSOR: TRADOC  
PERFORMER: AVNC

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PROJECT TITLE: AVIATION MAINTENANCE SHELTER (AMS) AOA

PUIC: ATZQCR005 DETERMINE THE COST SAVINGS AND BENEFIT OF AN AMS FOR CONTINGENCY  
DTIC NUMBER: OPERATIONS TO PERFORM CRITICAL TASKS OUT OF THE WEATHER IN A LOGISTICALLY  
CONTRACT NUMBER: IMMATURE THEATER. JUSTIFY THE DEVELOPMENT/PROCUREMENT OF THE AMS.  
SPONSOR: TRADOC  
PERFORMER: AVNC

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PROJECT TITLE: AIRCRAFT CLEANING AND DE-ICING SYSTEM (ACDS) AOA

PUIC: ATZQCR006 DETERMINE COST SAVINGS AND BENEFIT OF UTILIZING A PORTABLE AND  
DTIC NUMBER: LIGHTWEIGHT SYSTEM TO APPLY HEATED AND PRESSURIZED LIQUID FOR CLEANING AND  
CONTRACT NUMBER: DE-ICING ARMY AIRCRAFT. STUDY WILL JUSTIFY DEVELOPMENT AND PROCUREMENT  
SPONSOR: TRADOC OF THE ACDS.  
PERFORMER: AVNC

---



FY97 ARMY STUDY PROGRAM  
LIST BY SPONSOR

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SPONSOR: TRADOC

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PROJECT TITLE: AVIATION INTERMEDIATE MAINTENANCE-CONTAIN & MODERN PLAN

PUIC: ATZQCR007  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: TRADOC  
PERFORMER: AVNC

DETERMINE COST SAVINGS AND BENEFIT OF STANDARDIZATION OF AVIM TOOL SETS. STANDARDIZATION AND UPGRADE OF AVIM TOOL SETS WILL INCREASE PRODUCTIVITY AND ENHANCE MOBILITY AND DEPLOYABILITY OF THE UNIT. FULL TITLE: AVIATION INTERMEDIATE MAINTENANCE CONTAINERIZATION AND MODERNIZATION PLAN

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PROJECT TITLE: ARMY AVIATION AIR-TO-AIR COMBAT OPERATIONAL REQUIREMENTS

PUIC: ATZQCR008  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: TRADOC  
PERFORMER: AVNC

SUPPORT THE DCD'S DEVELOPMENT OF AN AIR-TO-AIR OPERATIONAL REQUIREMENTS DOCUMENT (ORD). IDENTIFY FAR TERM ATA OPERATIONAL REQUIREMENTS WITH SUPPORTING RATIONAL. SCOPE INCLUDES: WEAPONS, TARGET ACQUISITION, FIRE CONTROL SOLUTIONS, SITUATIONAL AWARENESS, COMMUNICATIONS, FLIGHT PERFORM.

---

PROJECT TITLE: LOW COST PRECISION KILL AOA

PUIC: ATZQCR009  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: TRADOC  
PERFORMER: AVNC

SUPPORT DCD'S DEVELOPMENT OF A LOW COST PRECISION KILL OPERATIONAL REQUIREMENTS DOCUMENT (ORD). IDENTIFY FAR TERM OPERATIONAL REQUIREMENTS WITH SUPPORTING RATIONALE.

---

PROJECT TITLE: AAWSSAM OPERATIONAL REQUIREMENTS STUDY

PUIC: ATZQCR010  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: TRADOC  
PERFORMER: AVNC

SUPPORT DCD'S DEVELOPMENT OF AN ADVANCED ALL-WEATHER STRIKE AND SITUATIONAL AWARENESS MISSILE OPERATIONAL REQUIREMENTS DOCUMENT (ORD). IDENTIFY FAR TERM OPERATIONAL REQUIREMENTS WITH SUPPORTING RATIONALE. STUDY WILL INCORPORATE A COEA.

---

PROJECT TITLE: AVIATION TACTICAL OPERATION CENTER (AVTOC) COST ANALYSIS

PUIC: ATZQCR011  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: TRADOC  
PERFORMER: AVNC

DETERMINE THE COSTS INVOLVED IN ACQUIRING AND OPERATING THE AVTOC. THIS WILL COMPLETE THE AVTOC COEA WHICH WAS TERMINATED IN FY95.

---

PROJECT TITLE: AVIATION COMBINED ARMS TACTICAL TRAINER (AVCATT) TEA

PUIC: ATZQTP001  
DTIC NUMBER:  
CONTRACT NUMBER:  
SPONSOR: TRADOC  
PERFORMER: T/WSMR

INVESTIGATE TRAINING EFFECTIVENESS OF AVIATION TRAINING FOR FUTURE ATTACK, RECONNAISSANCE, AND ASSAULT ROTARY WING AIRCRAFT. COMPARE THE CURRENT AVIATION CAT STRATEGY TO THE PROPOSED FUTURE CAT STRATEGY WITH AVCATT. TWO MATERIEL SOLUTIONS CONSIDERED: RECONFIGURABLE VS SYSTEM SPECIFIC SIMS.

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FY97 ARMY STUDY PROGRAM  
LIST BY SPONSOR

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SPONSOR: TRADOC

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PROJECT TITLE: UNMANNED AERIAL VEHICLE (UAV) REQUIREMENTS ANALYSIS

PUIC: ATZSCQ001

DTIC NUMBER:

CONTRACT NUMBER:

SPONSOR: TRADOC

PERFORMER: INTL

---

IDENTIFY FORCE XXI GROUND COMMANDERS' BASELINE UAV MISSION REQUIREMENTS  
AND ASSESS CURRENT UAV PROGRAMS IN LIGHT OF THESE REQUIREMENTS IN ORDER  
TO IDENTIFY ANY SHORTCOMINGS AND OFFER POTENTIAL SOLUTIONS.



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**CHAPTER 5**  
**LISTING OF FY 97 STUDIES**  
**BY FUNCTIONAL AREA**

This chapter presents a listing of all studies in the FY 97 Army Study Program by the Functional Area which they address. The Functional Areas are in alphabetical order: Deploying/Mobilizing, Equipping, Managing, Managing Information, Manning, Providing Facilities, Structuring, Sustaining, and Training.

A description of the symbols used in the listing is found in Appendix A and a glossary of terms is located in Appendix B.



**FY97 ARMY STUDY PROGRAM  
SORTED BY FUNCTIONAL AREA**

***** FUNCTIONAL AREA:		Deploying/Mobilizing		*****	
STATUS		IMPACT			
PUIC*****	* ABBR TITLE*****	*	STRT	END*	SPONSOR*** PERFORMER*****
AMSMIP25	P NETWORK FOR SMART WEAPONS EFFECTIVENESS	1	9510	9709	AMC SWMO/TWISTIAC
DAMIPR00	P Split-based Intelligence Forces	1	9610	9709	DCSINT TO BE
DALOTR00	P Analyze Commercial Business Practices in	1	9612	9706	DCSLOG TO BE
ATRCLP00	O Palletized Loading System Light Variant	1	9506	9612	TRADOC T/LEE
ATRCLP00	O Large Medium Speed RORO (LMSR) Requirements	2	9504	9702	TRADOC T/LEE
ATRC SQ01	O Integrated AC/ARNG Division Study	1	9607	9703	TRADOC T/SAC
ATRCLQ00	O Operational Risk Assessment for	1	9605	9704	TRADOC T/LEE
ATRC SQ01	O Northeast Asia Theater Resolution Scenario	2	9602	9702	TRADOC T/SWC
ATRCWN01	O Univ of No Dakota Rotary Wing Aviator	2	9303	9809	TRADOC T/WSMR

***** FUNCTIONAL AREA:		Equipping		*****	
STATUS		IMPACT			
PUIC*****	* ABBR TITLE*****	*	STRT	END*	SPONSOR*** PERFORMER*****
AMSMIP09	P SMART LASER BEAMRIDER	1	9701	9709	AMC AMC-SWMO
AMSMIP50	P SMART WEAPON TECHNOLOGY INVESTMENT IN THE	1	9601	9609	AMC AMC-SWMO
AMSMIP50	P FIRE SUPPORT WEAPON FOR FORCE XXI	1	9610	9709	AMC AMC-SWMO
AMSMIP50	P SMART WEAPON COUNTERMEASURE BY ACTIVE	1	9601	9708	AMC AMC-SWMO
AMSMIP50	P ENHANCEMENT GUIDELINES FOR PRECISION-GUIDED	2	9601	9708	AMC AMC-SWMO
AMSMIQ50	P TECHNOLOGY ASSESSMENT FOR MMW SENSORS AND	2	9610	9709	AMC AMC SWMO
AMSMIP24	P SMART WEAPONS REPROGRAMMING TECHNIQUES STUDY	3	9510	9610	AMC AMC-SWMO/GACIAC
AMSMIP24	P JOINT PRECISION STRIKE DIGITAL CONNNECTIVITY	3	9610	9710	AMC AMC-SWMO/GACIAC
AMSMIP25	P OPTICAL BAR CODING TECHNOLOGY	2	9510	9703	AMC AMC-SWMO
AMSMIP01	P SMART LASER BEAMRIDER	1	9701	9709	AMC AMC-SWMO
AMSMIP22	P JOINT PRECISION STRIKE DIGITAL CONNNECTIVITY	3	9610	9710	AMC AMC-SWMO/GACIAC
AMSMIP32	P OPTICAL BAR CODING TECHNOLOGY	2	9510	9703	AMC AMC-SWMO
AMSSTP00	O ADVANCED AMPHIBIOUS ASSAULT VEHICLE-ARMAMENT	1		9701	AMC TO BE
AMSSTP00	O ATDCMS BLOCK 1A IN-FLIGHT SURVIVABILITY	2	9510	9612	AMC AMSAA
AMSSTP00	O CASTFOREM COMBAT ID METHODOLOGY DEVELOPMENT	1			AMC AMSAA
AMSSTP00	O CONTRACTOR PERFORMANCE CERTIFICATION PROGRAM	2			AMC AMSAA-LAD
AMSSTP00	O CRUSADER PERFORMANCE ANALYSIS		9610	9703	AMC AMSAA
AMSSTP00	O HMMWV VERSUS LMTV		9605	9611	AMC AMSAA
AMSSTP01	O MIS-IDENTIFICATION CHARACTERIZATION	2	9610	9709	AMC AMSAA
AMSSTP01	O MOVEMENT ALGORITHM STUDY	2	9410	9610	AMC AMSAA
AMSSTP01	O PHYSICS OF FAILURE - MANUFACTURING SCIENCE &	1			AMC AMSAA-LAD
AMSSTP02	P SEARCH & TARGET ACQUISITION MODELS OF HUMAN	2	9610	9709	AMC TO BE
AMSSTP02	O TASK EXTENDED RANGE MUNITIONS (TERM)	1	9609	9708	AMC TO BE
SARDAP00	P Improved Night Representation for Search in		9510	9509	ASA(RDA) TRAC-WSMR
SARDAP00	O COMBAT ID, VALUE ADDED ANALYSIS	3	9510	9609	ASA(RDA) PM COMBAT ID
AMSAMP01	O PEELS ACCREDITATION STUDY	1	9601	9701	BMDO TO BE
DALOAQ00	O Environmental Protection of Army Aircraft	2	9602	9702	DCSLOG APJ
DAMOFQ01	O JOINT WARFIGHTING ASSESSMENTS	1			DCSOPS BDM & CAMBER



**FY97 ARMY STUDY PROGRAM  
SORTED BY FUNCTIONAL AREA**

***** FUNCTIONAL AREA:		Equipping		*****	
STATUS	IMPACT				
PUIC***** * ABBR TITLE*****	* STRT END*	SPONSOR***	PERFORMER*****		
DAMOFQ01 O Joint NBC Defense Pgm Prioritization &	2	DCSOPS	IDA & CAA		
DAMOFQ03 O THEATER MISSILE DEFENSE/ATTK OPERATIONS	2	DCSOPS	TRAC & BDM		
DAMOFR00 P CLOSE SUPPORT END-TO-END ASSESSMENT (CSEEA)	1	DCSOPS	TO BE		
ODISCR00 P United States Participation in ATCCIS 1997	1 9610 9709	DISC4	IDA		
ODISCR02 P Designing a C4 Requiriments Development	1 9610 9709	DISC4	TO BE		
AMSSTP02 O TARGET ACQUISITION MODEL IMPROVEMENT	2 9610 9709	DUSA-OR	AMSAA/CID		
PAEDMP00 O VALUE ADDED ANALYSIS IV (EAGLE)	1	PAED	CAA		
AMSSTP01 O QUANTIFYING ASSURANCE IN PATRIOT PAC-3	2 9605 9709	PEO-MD	AMSAA		
ATRCRP00 O Rapid Generation of Terrain Data Bases	2 9506 9706	TRADOC	T/MTRY		
ATRCSN01 O Northeast Asia Low Resolution Scenario 2.0	2 9504 9610	TRADOC	T/SWC		
ATRCSP01 O Northeast Asia Theater Resolution Scenario	3 9512 9610	TRADOC	T/SWC		
ATRCSP01 O Southwest Asia Low Resolution Scenario 6.0	2 9608 9705	TRADOC	T/OAC		
ATRCSP01 O Southwest Asia Theater Resolution Scenario	3 9512 9610	TRADOC	T/SWC		
ATRCSP01 O Near Simultaneous Major Regional	3 9509 9612	TRADOC	T/SWC		
ATRCSQ01 O Air Assault Bde Defense (HRS 60)	2 9604 9611	TRADOC	T/SWC		
ATRCSQ01 O Army After Next	3 9606 9706	TRADOC	T/SAC		
ATRCWO00 O Semi-Automated Forces (DIS) Development	3 9402 9808	TRADOC	T/WSMR		
ATRCWO02 O Night Operations in Combat Simulations	1 9403 9712	TRADOC	T/WSMR		
ATRCWO03 O Close Combat Model Improvement Program	2 9310 9707	TRADOC	T/WSMR		
ATRCWO03 O Hi-Res Scenario 38 (Lt Inf Defense - SWA)	3 9407 9612	TRADOC	T/WSMR		
ATRCWQ02 O Division Cavalry Guard (HRS 61)	2 9608 9701	TRADOC	T/SWC		
ATSACQ00 O TMD Experiment '96 Cruise Missile Defense	1 9512 9709	TRADOC	ADA		
ATSACR00 P Short Range Air Defense/Forward Area Air	2 9610 9709	TRADOC	ADA		
ATSECQ00 O Standoff Minefield Breacher COEA	2 9605 9709	TRADOC	ENGs		
ATSECR00 P Intelligent Minefield (IMF) Operational	2 9610 9709	TRADOC	ENGs		
ATSFCO00 O Target Acquisition Fire Support Model	3 9310 9709	TRADOC	D&SA BL		
ATSFCP01 O Extended Range Guided MLRS Rocket Study	2 9506 9612	TRADOC	FAS		
ATZNCJ00 O Chemical/Biological Operational Support	2 8912 9709	TRADOC	CMLS		
ATZNCP00 P Chemical Contamination Frequency Study	2 9610 9707	TRADOC	CMLS		
ATZNCQ00 P Joint Service NBC Defense Process	2 9610 9708	TRADOC	CMLS		
ATZQCQ00 P AVIM Containerization and Modernization	2 9610 9709	TRADOC	AVNC		
ATZQCQ00 P Air Warrior System Analysis	2 9610 9709	TRADOC	AVNC		
ATRCWR03 P Joint Anti-Armor Resource Requirements Study	2 9610 9709	TRADOC	T/WSMR		
ATRCsr00 P Truck Requirements Study	2 9610 9804	TRADOC	T/SAC		
ATRCtr00 P Anti-Armor Master Plan (A2MP)	2 9610 9707	TRADOC	T/OD		
ATRCWR03 P Future Scout Vehicle AOA	2 9610 9803	TRADOC	T/WSMR		
ATRCFJ00 O Corps/Division Analytic (Eagle) Model/DIS	3 8801 9709	TRADOC	T/OAC		
ATRCFO01 O Corps Level Computer Generated Forces	3 9404 9709	TRADOC	T/OAC		
ATRCFQ00 O Southwest Asia Corps Offensive (SWA LRS 6.0)	2 9606 9701	TRADOC	T/SAC		
ATRCFQ00 O Southwest Asia Early Entry (SWA LRS 5.1)	2 9608 9703	TRADOC	T/SAC		



**FY97 ARMY STUDY PROGRAM  
SORTED BY FUNCTIONAL AREA**

\*\*\*\*\* FUNCTIONAL AREA:

Equipping

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PUIC*****	STATUS	* ABBR TITLE*****	IMPACT	* STRT	END*	SPONSOR***	PERFORMER*****
ATRCLO00	O	Flatrack Shortfall Update	1	9605	9612	TRADOC	T/LEE
ATRCRQ00	P	Janus - MODSAF Interoperability Study	1	9610	9703	TRADOC	T/MTRY
ATRCRR00	O	Advanced Distributed Janus Development	1	9601	9709	TRADOC	T/MTRY
ATRCRR00	P	PC Janus	1	9610	9709	TRADOC	T/MTRY
ATRCSS02	O	Support to ABCA QWG-AOR -- Cascade Rain 96	1	9403	9709	TRADOC	T/SWC
ATRCSP02	O	MLRS Smart Tactical Rocket (MSTAR) COEA	2	9506	9709	TRADOC	T/SAC
ATRCSP02	O	Information Operations Architecture	1	9508	9812	TRADOC	T/SAC
ATRCSSQ01	O	ATACMS Block IIA COEA	2	9604	9803	TRADOC	T/SAC
ATRCSSQ01	O	Joint Close Support End-to-End Assessment	3	9603	9702	TRADOC	T/SAC
ATRCSSQ01	O	TRAC Support to WFLA	2	9604	9612	TRADOC	T/SAC
ATRCWN00	O	Acquisition Simulation	3	9210	9712	TRADOC	T/WSMR
ATRCWO03	O	Task Force XXI	1	9411	9708	TRADOC	T/WSMR
ATRCWO03	O	Battlefield Identification COEA	2	9408	9703	TRADOC	T/WSMR
ATRCWP01	O	TRAC-WSMR Support to DA Cost Review Board	2	9410	9710	TRADOC	T/WSMR
ATRCWP01	O	Soviet Analytic Methods for Operations	3	9410	9709	TRADOC	T/WSMR
ATRCWP02	O	International Combat Identification Study	2	9505	9709	TRADOC	T/WSMR
ATRCWP02	O	Importing of Hi-Res Scenarios into CASTFOREM	3	9509	9706	TRADOC	T/WSMR
ATRCWQ00	P	Advanced Technology Vehicles COEA	2	9612	9712	TRADOC	T/WSMR
ATRCWQ01	O	Janus 7.0 Development	3	9510	9706	TRADOC	T/WSMR
ATRCWQ01	O	CASTFOREM Development	3	9510	9909	TRADOC	T/WSMR
ATRCWQ01	P	TRAC-WSMR Support to D&SA Battle Lab	2	9610	9709	TRADOC	T/WSMR
ATRCWQ01	O	Analytic Enhancements to ModSAF	3	9606	9809	TRADOC	T/WSMR
ATRCWQ01	O	Janus 6 - User Support	2	9601	9706	TRADOC	T/WSMR
ATRCWQ01	P	Heavy Brigade Operations (HRS 63)	2	9611	9706	TRADOC	T/WSMR
ATRCWQ02	O	Armored Cavalry Regiment Guard (HRS 62)	2	9608	9702	TRADOC	T/WSMR
ATRCWR00	P	CJ COEA	2	9610	9709	TRADOC	T/WSMR
ATRCWR00	P	International Study Support to ABCA	2	9610	9709	TRADOC	T/WSMR
ATRCWR01	P	Janus 8.0 Development	1	9610	9712	TRADOC	T/WSMR
ATRCWR02	P	Janus 7.0 User Support	2	9702	9812	TRADOC	T/WSMR
ATRCWR02	P	Division Cavalry Screen (HRS 64)	2	9610	9702	TRADOC	T/SWC
ATSACQ00	P	Corps Surface to Air Missile Requirements	2	9703	9903	TRADOC	ADA
ATSACQ00	O	Theater High Altitude Area Defense MS II	1	9605	9706	TRADOC	ADA
ATSACQ00	O	Air and Missile Defense Task Force	2	9603	9703	TRADOC	ADA
ATSECR00	P	Wolverine (Heavy Assault Bridge) COEA	2	9610	9709	TRADOC	ENGs
ATSECR00	P	Grizzly III COEA	2	9610	9709	TRADOC	ENGs
ATSECR00	O	Air STAMIDS COEA	2	9605	9709	TRADOC	ENGs
ATSFCO00	O	Target Acquisition Fire Support Model	3	9310	9709	TRADOC	D&SA BL
ATSFCP00	O	Crusader SOA	2	9503	9709	TRADOC	FAS
ATZQCR00	P	Digital Source Collector (DSC) AOA	2	9610	9709	TRADOC	AVNC
ATZQCR00	P	Aviation Lightweight Electric Fuel System	2	9610	9709	TRADOC	AVNC



**FY97 ARMY STUDY PROGRAM  
SORTED BY FUNCTIONAL AREA**

\*\*\*\*\* FUNCTIONAL AREA:

**Equipping**

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STATUS	IMPACT				
PUIC***** * ABBR TITLE*****	* STRT	END*	SPONSOR***	PERFORMER*****	
ATZQCR00 P Air Warrior AOA	2 9610	9709	TRADOC	AVNC	
ATZQCR00 P Aviation Maintenance Shelter (AMS) AOA	2 9610	9709	TRADOC	AVNC	
ATZQCR00 P Aircraft Cleaning and De-icing System (ACDS)	2 9610	9709	TRADOC	AVNC	
ATZQCR00 O Aviation Intermediate Maintenance-Contain &	2 9510	9709	TRADOC	AVNC	
ATZQCR00 P Army Aviation Air-to-Air Combat Operational	2 9610	9809	TRADOC	AVNC	
ATZQCR00 P Low Cost Precision Kill AOA	2 9610	9709	TRADOC	AVNC	
ATZQCR01 P AAWSSAM Operational Requirements Study	2 9610	9709	TRADOC	AVNC	
ATZQCR01 P Aviation Tactical Operation Center (AVTOC)	2 9610	9709	TRADOC	AVNC	
ATZSCQ00 O Unmanned Aerial Vehicle (UAV) Requirements	2 9603	9705	TRADOC	INTL	

\*\*\*\*\* FUNCTIONAL AREA:

**Managing**

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STATUS	IMPACT				
PUIC***** * ABBR TITLE*****	* STRT	END*	SPONSOR***	PERFORMER*****	
SAFMBR00 P Reengineering Program and Budget Processes	1 9509	9709	ASA (FM&C)	LMI	
SAMRR006 P Evaluation of workload planning systems for	1 9610	9709	ASA (M&RA)	TO BE	
DAARPR01 P RESOURCING FACTORS AND CONSIDERATIONS WHEN	1 9610	9709	DAAR-PAE	TO BE	
DAMOFR00 P FORCE XXI INTEGRATION & SYNCHRONIZATION TOOL	2		DCSOPS	TO BE	

\*\*\*\*\* FUNCTIONAL AREA:

**Managing Information**

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STATUS	IMPACT				
PUIC***** * ABBR TITLE*****	* STRT	END*	SPONSOR***	PERFORMER*****	
AMCENM00 P ENVIRONMENTAL DATA BASE MANAGEMENT	3 9610	9709	AMC	TO BE	
AMSMIQ50 P USE OF THE ARMY DEVELOPMENT TECH BASE	1 9701	9709	AMC	AMC-SWMO	
AMSMIP25 P DEVELOPMENT OF SMART WEAPONS AIMPOINT ERROR	1 9610	9709	AMC	AMC-SWMO	
AMSMIP22 P DEVELOPMENT OF SMART WEAPONS AIMPOINT ERROR	1 9610	9709	AMC	AMC-SWMO	
AMSSTP01 O INTEGRATED UNIT SIMULATION SYSTEM/CLOSE	1 9610		AMC	AMSAA/CED/MMB/M	
AMSSTP01 O INVESTIGATION OF CYCLE CRITERIA FOR	1 9610		AMC	AMSAA/CED/MMB	
DAMIPQ00 O Automated Geo-Referenced Mobility Algorithms	3 9510	9609	DCSINT	COE/WES	
DALOLQ00 P Service-Wide Future Communications	1 9605	9711	DCSLOG	SAIC	
DALOSQ00 O Measuring Effectiveness of the Logistics	2 9512	9606	DCSLOG	ARROYO CENTER	
DALOLR00 P Maintenance Data Element Implementation	1 9612	9706	DCSLOG	TO BE	
DAMOFQ00 O DEVELOP ARMY MODERNIZATION PRIORITY DSS	2		DCSOPS	VRI	
DAMOFR00 P MODERNIZATION PRIORITY DSS (RISES Phase II)	2		DCSOPS	TO BE	
DAMOSQ00 O ARMY CRISIS PLANNING TEAM SPECIAL ASSISTANCE	1		DCSOPS	SAIC	
DAMOSQ02 O LINKAGE BETWEEN FORCE XXI AND LONG-TERM	2		DCSOPS	SAIC	
DAMOSQ02 O COMMISSION ON ROLES AND MISSIONS FOLLOW-ON	1		DCSOPS	SAIC	
DAMQZQ00 O ABCA QWG AOR ANALYSIS SUPPORT	2		DCSOPS	AMSAA/TRAC	
PERSCOM1 O An Integrated Personnel Management	2 9604	9703	DCSPER	PRC	
ODISCR00 O Command, Control & Communication	1 9610	9704	DISC4	LMI	
ODISCR01 P Domain Business Rule Specification Tool	1 9610	9709	DISC4	TO BE	
ODISCR01 P Army Strategic Software Plan	1 9610	9709	DISC4	MITRE	
ODISCR03 P Incorporation of Functional Data Models into	1 9610	9709	DISC4	IDA	



**FY97 ARMY STUDY PROGRAM  
SORTED BY FUNCTIONAL AREA**

\*\*\*\*\* **FUNCTIONAL AREA:** **Managing Information** \*\*\*\*\*

STATUS	IMPACT			SPONSOR***	PERFORMER*****
PUIC***** * ABER TITLE*****	* STRT END*				
ATRCLQ00 O Logistics and Cost Impacts of the Integrated	1 9607 9707			TRADOC	T/LEE
ATRCTR00 P Force XXI Battle Command-Brigade and Below	2 9610 9803			TRADOC	T/WSMR

\*\*\*\*\* **FUNCTIONAL AREA:** **Manning** \*\*\*\*\*

STATUS	IMPACT			SPONSOR***	PERFORMER*****
PUIC***** * ABER TITLE*****	* STRT END*				
SAMRCQ00 O Developing Human Resource Policy & Mgmt				ASA(M&RA)	BOOZE ALLEN
SAMRCQ00 O Designing and Applying Civilian Substitution				ASA(M&RA)	BOOZ ALLEN
SAMRCQ00 O Application of Existing HR Automated Systems	1			ASA(M&RA)	BOOZ ALLEN
DAARPR02 P UNIT READINESS IMPACTS OF UNSATISFACTORY	1 9610 9709			DAAR-PAE	NAVAL POSTGRAD
DAMIPR00 P Linguist Support to Military Operations	1 9610 9709			DCSINT	TO BE
DAPEH002 O A Declining Propensity to Serve in the Armed	2 9509 9610			DCSPER	JCPES
DAPEMPAQ O Enlisted Attrition	2 9602 9802			DCSPER	TO BE
DAPEMQ00 O Army Enlisted Personnel Loss Projection	2 9602 9609			DCSPER	NPGS
USARCR00 P Incentives Conjoint Analysis	2			DCSPER	TO BE
DAPEMR00 P Enlisted Accession Flow to the Training Base	2			DCSPER	TO BE
ODISCR01 P Bandwidth Sensitivity Study	1 9610 9703			DISC4	TO BE
ODISCR01 P Army Modernization Impacts From Extended	1 9610 9709			DISC4	JOINT SPECTRUM
NGARPQ00 O National Missile Defense: Manning, Force	1 9601			NGB	STND TECH INC
ATRCLQ00 O Enlisted Attrition Study	1 9510 9708			TRADOC	T/LEE
ATRCWR01 P Special Forces Assessment & Selection	1 9610 9709			TRADOC	T/WSMR
ATZQCR00 P Cockpit Airbag System AOA	1 9610 9709			TRADOC	AVNC

\*\*\*\*\* **FUNCTIONAL AREA:** **Providing Facilities** \*\*\*\*\*

STATUS	IMPACT			SPONSOR***	PERFORMER*****
PUIC***** * ABER TITLE*****	* STRT END*				
AMSSTP00 O CHEM-DEMIL (ALTERNATE TECHNOLOGIES)				AMC	AMSAA
AMSSTP00 O CHEM-DEMIL (BASELINE INCINERATION)	9610 9709			AMC	AMSAA
DAMOMQ00 O DISPOSITION ANALYSES FOR SHUTDOWN ARMY	2			DCSOPS	CHPPM & TBD

\*\*\*\*\* **FUNCTIONAL AREA:** **Structuring** \*\*\*\*\*

STATUS	IMPACT			SPONSOR***	PERFORMER*****
PUIC***** * ABER TITLE*****	* STRT END*				
AMSMIP02 P ADVANCED SIGNAL PROCESSING STUDY	3 9510 9710			AMC	AMC SWMO/GACIAC
AMSMIP12 P ADVANCED SIGNAL PROCESSING STUDY	3 9510 9710			AMC	AMC SWMO/GACIAC
DAMIPR00 P Modernized Army Weather Support &	1 9610 9709			DCSINT	TO BE
DAMOFQ01 O FORCE 21 TDA AXIS (Umbrella FAA)	1			DCSOPS	TO BE
DAMOSR00 P LONG RANGE STUDY OF GROUND WARFARE	2			DCSOPS	SAIC
DAMOSR00 P IMPLICATIONS OF THE NATIONAL STRATEGY REVIEW	1			DCSOPS	TO BE
DAMOSR00 P PREVENTIVE DEFENSE: ARMY ROLES AND RESOURCE	2			DCSOPS	TO BE
ODISCR00 O American, British, Canadian and Australian	1 9610 9702			DISC4	LMI
ODISCR00 O Quadrilateral Armies C3 Interop Ana	1 9610 9709			DISC4	LMI
ATRCTR00 P TRAC Support to the Commission on Roles and	2 9610 9709			TRADOC	T/OD



FY97 ARMY STUDY PROGRAM  
SORTED BY FUNCTIONAL AREA

\*\*\*\*\* FUNCTIONAL AREA:

## Structuring

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STATUS		IMPACT				
PUIC*****	* ABBR TITLE*****	* STRT	END*	SPONSOR***	PERFORMER*****	
ATRCR00	P Survivable Armed Reconnaissance on the	2	9610 9807	TRADOC	T/OD	
ATRCFP00	O Contingency Analysis and Planning System	3	9505 9709	TRADOC	T/OAC	
ATRCSP02	O Division XXI AWE Analysis Support	1	9508 9802	TRADOC	T/SAC	
ATRCSQ00	O Force XXI Division Design Analysis	1	9510 9803	TRADOC	T/SAC	
ATRCWQ02	O Brigade Design Analysis Phase II	1	9605 9709	TRADOC	T/WSMR	

\*\*\*\*\* FUNCTIONAL AREA:

## Sustaining

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PUIC*****	STATUS	IMPACT			
	* ABBR TITLE*****	* STRT	END*	SPONSOR***	PERFORMER*****
AMSSTP01	O PARASESAME	1		AMC	AMSAA-LAD
AMSSTP01	O PREPO AUTOMATED MAINTENANCE MANAGEMENT	1		AMC	AMSAA-LAD
AMSSTP01	O PROCUREMENT LEAD TIME (PROLT)	1		AMC	AMSAA-LAD
AMSSTP01	O RADIO FREQUENCY (RF) TAG ANALYSIS	1		AMC	AMSAA-LAD
AMSSTP02	O READINESS BASED SPARING (RBS) TEST AT FORT	1		AMC	AMSAA-LAD
AMSSTP02	O VELOCITY MANAGEMENT	1		AMC	TO BE
DALOLQ00	O Predictive-Push Logistics	1	9602 9704	DCSLOG	AMSAA
DALOLQ00	P Implementation of a National Provider:	1	9605 9705	DCSLOG	INNOLOG
DALOSQ00	O Velocity Management	1		DCSLOG	ARROYO CENTER
DALORR00	P Funding and Control of Army War Reserve	1	9612 9704	DCSLOG	TO BE
DALOSQ00	O Army Stockage Policy	2		DCSLOG	ARROYO CENTER
DALOSQ00	O Evaluation of Integrated Sustainment	2	9512	DCSLOG	ARROYO CENTER
DALOPR00	P Army Force Planning Data and Assumptions	1	9612 9706	DCSLOG	TO BE
DALOLR00	P Review of Assistance, Instruction,	1	9612 9706	DCSLOG	TO BE
DAMOFR00	P WARTIME AMMUNITION REQUIREMENTS UPDATE	2		DCSOPS	CAA (7-16-96)
DAMOFR01	P IMPACTS OF ARMY CSS ON WARFIGHTING	2		DCSOPS	CAA (7-16-96)
DAMOFQ01	O IMPACTS OF ARMY CSS ON WARFIGHTING	2	001	DCSOPS	CAA
NGARLR00	P Army Nat'l Guard Capabilities to Provide	1	9612 9806	NGB	TO BE
NGARLR00	P Alternative Vehicle Air Filter	1	9610 9702	NGB	TO BE

\*\*\*\*\* FUNCTIONAL AREA:

## Training

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STATUS		IMPACT			
PUIC*****	* ABBR TITLE*****	* STRT	END*	SPONSOR***	PERFORMER*****
AMSMIP25	P ENVIRONMENTAL EFFECTS FOR DISTRIBUTED	1 9610	9709	AMC	AMC-SWMO
AMSMIP02	P DEVELOPMENT OF MULTI-USER CAMOUFLAGE,	1 9610	9709	AMC	SWMO/USAEWES
DAARPR03	P SUPPORT FOR DEVELOPMENT OF TPU LEADERSHIP	2 9610	9709	DAAR-PAE	NAVAL POSTGRAD
NGARLR00	P Conflict of 800/288/200 AC/ARNG/USAR OPTEMPO	2 9701	9712	NGB	CACI-FEDERAL
ATRCCLP00	O CSS Development through the JANUS Model	2 9411	9704	TRADOC	T/LEE
ATRCWO01	O PRIME PFTEA	2 9510	9610	TRADOC	T/WSMR
ATRCWP00	O Heavy Dry Support Bridge TEA	2 9512	9610	TRADOC	T/WSMR
ATRCWP02	O Loss in Proficiency of Graduates	2 9410	9612	TRADOC	T/WSMR
ATRCWQ00	P Combat Engineer Vehicle Simulator PTDS	2 9610	9709	TRADOC	T/WSMR
ATRCWQ00	O Theater High Altitude Area Defense (THAAD)	2 9508	9610	TRADOC	T/WSMR



**FY97 ARMY STUDY PROGRAM  
SORTED BY FUNCTIONAL AREA**

\*\*\*\*\* FUNCTIONAL AREA:

Training

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STATUS	IMPACT	Training		SPONSOR***	PERFORMER*****
PUIC***** * ABBR TITLE*****	* STRT END*				
ATRCWQ02 O Division XXI Advanced Warfighting Experiment	2 9607 9712	TRADOC	T/WSMR		
ATRCWR03 P Aviation Combined Arms Tactical Trainer	3 9610 9703	TRADOC	T/WSMR		
ATRCWR03 P Mobile CCTT Site and Training Unit Support	3 9610 9709	TRADOC	T/WSMR		
ATSBTL00 O Force XXI Training Development	3 9310 9709	TRADOC	ARMC		
AETTDM00 O Combat Maneuver Training Center Fratricide	2 9208 9709	TRADOC	T/WSMR		
ATRCSL00 O Simulator/Simulation Based Training Program	2 9010 9709	TRADOC	T/WSMR		
ATRCWP00 P Airborne Standoff Minefield Detection System	2 9610 9709	TRADOC	T/WSMR		
ATRCWP00 P Countermobility Remote Control System TEA	2 9610 9709	TRADOC	T/WSMR		
ATRCWP01 O TF XXI AWE TEA	2 9504 9706	TRADOC	T/WSMR		
ATRCWP02 P Standoff Minefield Breacher TEA	2 9612 9812	TRADOC	T/WSMR		
ATRCWP02 O Grizzly TEA	2 9510 9709	TRADOC	T/WSMR		
ATRCWQ00 P Combined Tactical Vehicle Simulator PTDS	2 9610 9709	TRADOC	T/WSMR		
ATRCWQ00 P DTSS/QRMP TIA	2 9610 9709	TRADOC	T/WSMR		
ATRCWQ00 P Medium Extended Air Defense TEA	2 9612 9812	TRADOC	T/WSMR		
ATRCWQ00 O Wolverine TEA	2 9510 9611	TRADOC	T/WSMR		
ATRCWQ01 O Unit Level Logistics System Embedded	2 9602 9704	TRADOC	T/WSMR		
ATRCWR00 P Assault Vehicle TEA	2 9610 9709	TRADOC	T/WSMR		
ATRCWR00 P RAH-66 Comanche CTEA	2 9610 9709	TRADOC	T/WSMR		
ATRCWR00 P Air Traffic Navigation and Integrated	2 9610 9704	TRADOC	T/WSMR		
ATRCWR00 P Terrain Conversion/Correlation Tools	3 9610 9709	TRADOC	T/WSMR		
ATRCWR00 P CCTT Acceptance	2 9610 9709	TRADOC	T/WSMR		
ATRCWR00 P Platoon Gunnery Trainer TEA	2 9610 9709	TRADOC	T/WSMR		
ATRCWR00 P THAAD User Operational Evaluational System	2 9610 9709	TRADOC	T/WSMR		
ATRCWR01 P M-139 Mine Dispenser for the UH-60 PFTEA	2 9610 9703	TRADOC	T/WSMR		
ATRCWR01 P Global Positioning System PFTEA	2 9701 9706	TRADOC	T/WSMR		
ATRCWR01 P Aircrew Training Program/Annual Proficiency	2 9610 9709	TRADOC	T/WSMR		
ATRCWR01 P Army Mission Planning Station TEA	2 9701 9707	TRADOC	T/WSMR		
ATRCWR01 P ARSOF Combat Training Center Operational	1 9610 9809	TRADOC	T/WSMR		
ATRCWR01 P Army National Guard Enhanced Bde Simulator	2 9610 9809	TRADOC	T/WSMR		
ATRCWR01 P Army Distance Learning Plan Location	2 9610 9709	TRADOC	T/WSMR		
ATRCWR01 P Precision Gunnery System (PGS) PFTEA	2 9708 9809	TRADOC	T/WSMR		
ATRCWR02 P AH-64 Longbow Weapon System PFTEA	2 9610 9708	TRADOC	T/WSMR		
ATRCWR02 O Distance Learning Project	2 9602 9709	TRADOC	T/WSMR		
ATRCWR02 P CORPS SAM/ Medium Extended Air Defense	2 9610 9709	TRADOC	T/WSMR		
ATRCWR02 P Standard Maintenance System (SMS) TEA	2 9707 9909	TRADOC	T/WSMR		
ATRCWR02 P Standard Army Retail Supply System-Objective	2 9701 9809	TRADOC	T/WSMR		
ATRCWR02 P Combat Service Support Control System	2 9706 9909	TRADOC	T/WSMR		
ATRCWR02 P Unit Level Logistics System (ULLS) - S4 TEA	2 9706 9909	TRADOC	T/WSMR		
ATRCWR02 P Synthetic Theater of War - Architecture	2 9610 9706	TRADOC	T/WSMR		
ATRCWR03 P Return on Investment (ROI) for Warrior XXI	2 9610 9709	TRADOC	T/WSMR		



FY97 ARMY STUDY PROGRAM  
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<p>***** FUNCTIONAL AREA:</p> <p style="margin-left: 40px;">STATUS</p>	<p>Training</p>	<p>*****</p>
<p>PUIC***** * ABBR TITLE*****</p>	<p>IMPACT</p>	<p>*****</p>
<p>ATZQTP00 O Aviation Combined Arms Tactical Trainer</p>	<p>* STRT END*</p>	<p>SPONSOR*** PERFORMER*****</p>
	<p>2 9603 9701</p>	<p>TRADOC T/WSMR</p>



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**CHAPTER 6**  
**ALPHABETIC LISTING OF FY 97 STUDIES**  
**BY CRITICAL ARMY ISSUE**

This chapter presents a listing of all studies in the FY 97 Army Study Program by the Critical Army Issue which is addressed. Critical Army Issues were disseminated through the Army Study Planning Guidance and are described in Chapter 3 of this report.

A description of the symbols used in the listing is found in Appendix A and a glossary of terms is located in Appendix B.



**FY97 ARMY STUDY PROGRAM  
SORTED BY CRITICAL ISSUE**

\*\*\*\*\* **CRITICAL ISSUE: Digitization of the Battlefield** \*\*\*\*\*

PUIC*****	STATUS * ABBR TITLE*****	IMPACT		SPONSOR***	PERFORMER*****
		* STRT	END*		
AMSMIP22	P JOINT PRECISION STRIKE DIGITAL CONNNECTIVITY	3	9610 9710	AMC	AMC-SWMO/GACIAC
AMSMIP24	P SMART WEAPONS REPROGRAMMING TECHNIQUES STUDY	3	9510 9610	AMC	AMC-SWMO/GACIAC
AMSMIP24	P JOINT PRECISION STRIKE DIGITAL CONNNECTIVITY	3	9610 9710	AMC	AMC-SWMO/GACIAC
AMSMIP25	P ENVIRONMENTAL EFFECTS FOR DISTRIBUTED	1	9610 9709	AMC	AMC-SWMO
AMSSTP01	O INVESTIGATION OF CYCLE CRITERIA FOR	1	9610	AMC	AMSAA/CED/MMB
ATRC SQ01	O Northeast Asia Theater Resolution Scenario	2	9602 9702	TRADOC	T/SWC
ODISCR00	O American, British, Canadian and Australian	1	9610 9702	DISC4	LMI
ODISCR03	P Incorporation of Functional Data Models into	1	9610 9709	DISC4	IDA

\*\*\*\*\* **CRITICAL ISSUE: Force Structure & Force Mix** \*\*\*\*\*

PUIC*****	STATUS * ABBR TITLE*****	IMPACT		SPONSOR***	PERFORMER*****
		* STRT	END*		
AMSSTP00	O ADVANCED AMPHIBIOUS ASSAULT VEHICLE-ARMAMENT	1	9701	AMC	TO BE
AMSSTP00	O CASTFOREM COMBAT ID METHODOLOGY DEVELOPMENT	1		AMC	AMSAA
AMSSTP01	O INTEGRATED UNIT SIMULATION SYSTEM/CLOSE	1	9610	AMC	AMSAA/CED/MMB/M
AMSSTP01	O MIS-IDENTIFICATION CHARACTERIZATION	2	9610 9709	AMC	AMSAA
AMSSTP02	P SEARCH & TARGET ACQUISITION MODELS OF HUMAN	2	9610 9709	AMC	TO BE
AMSSTP02	O TARGET ACQUISITION MODEL IMPROVEMENT	2	9610 9709	DUSA-OR	AMSAA/CID
AMSSTP02	O TASK EXTENDED RANGE MUNITIONS (TERM)	1	9609 9708	AMC	TO BE
ATRCSP02	O Division XXI AWE Analysis Support	1	9508 9802	TRADOC	T/SAC
ATRC SQ00	O Force XXI Division Design Analysis	1	9510 9803	TRADOC	T/SAC
ATRC SQ01	O Integrated AC/ARNG Division Study	1	9607 9703	TRADOC	T/SAC
DALOLQ00	O Predictive-Push Logistics	1	9602 9704	DCSLOG	AMSAA
DALOPR00	P Army Force Planning Data and Assumptions	1	9612 9706	DCSLOG	TO BE
DALOSQ00	O Velocity Management	1		DCSLOG	ARROYO CENTER
DALOTR00	P Analyze Commercial Business Practices in	1	9612 9706	DCSLOG	TO BE
DAMOFR00	P CLOSE SUPPORT END-TO-END ASSESSMENT (CSEEA)	1		DCSOPS	TO BE
DAMOFR00	P FORCE XXI INTEGRATION & SYNCHRONIZATION TOOL	2		DCSOPS	TO BE
DAMOFR01	P IMPACTS OF ARMY CSS ON WARFIGHTING	2		DCSOPS	CAA (7-16-96)
DAMOSR00	P IMPLICATIONS OF THE NATIONAL STRATEGY REVIEW	1		DCSOPS	TO BE
DAMOSR00	P PREVENTIVE DEFENSE: ARMY ROLES AND RESOURCE	2		DCSOPS	TO BE
NGARPQ00	O National Missile Defense: Manning, Force	1	9601	NGB	STND TECH INC
ODISCR03	P Incorporation of Functional Data Models into	1	9610 9709	DISC4	IDA
SAMRR006	P Evaluation of workload planning systems for	1	9610 9709	ASA(M&RA)	TO BE

\*\*\*\*\* **CRITICAL ISSUE: Information Operations** \*\*\*\*\*

PUIC*****	STATUS * ABBR TITLE*****	IMPACT		SPONSOR***	PERFORMER*****
		* STRT	END*		
DALOLQ00	P Service-Wide Future Communications	1	9605 9711	DCSLOG	SAIC
DALOLR00	P Maintenance Data Element Implementation	1	9612 9706	DCSLOG	TO BE
DALOSQ00	O Velocity Management	1		DCSLOG	ARROYO CENTER
DALOSQ00	O Measuring Effectiveness of the Logistics	2	9512 9606	DCSLOG	ARROYO CENTER
ODISCR01	P Domain Business Rule Specification Tool	1	9610 9709	DISC4	TO BE
ODISCR02	P Designing a C4 Requirments Development	1	9610 9709	DISC4	TO BE



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\*\*\*\*\* CRITICAL ISSUE: Intelligence \*\*\*\*\*

STATUS	IMPACT
PUIC***** * ABBR TITLE*****	* STRT END* SPONSOR*** PERFORMER*****
DAMOSR00 P PREVENTIVE DEFENSE: ARMY ROLES AND RESOURCE	2 DCSOPS TO BE

\*\*\*\*\* CRITICAL ISSUE: International Activities \*\*\*\*\*

STATUS	IMPACT
PUIC***** * ABBR TITLE*****	* STRT END* SPONSOR*** PERFORMER*****
DAMOSR00 P PREVENTIVE DEFENSE: ARMY ROLES AND RESOURCE	2 DCSOPS TO BE

\*\*\*\*\* CRITICAL ISSUE: Logistics & Sustainment \*\*\*\*\*

STATUS	IMPACT
PUIC***** * ABBR TITLE*****	* STRT END* SPONSOR*** PERFORMER*****
ATRCLP00 O Palletized Loading System Light Variant	1 9506 9612 TRADOC T/LEE
ATRCLQ00 O Operational Risk Assessment for	1 9605 9704 TRADOC T/LEE
DALOLQ00 O Predictive-Push Logistics	1 9602 9704 DCSLOG AMSAA
DALOLQ00 P Service-Wide Future Communications	1 9605 9711 DCSLOG SAIC
DALOLQ00 P Implementation of a National Provider:	1 9605 9705 DCSLOG INNOLOG
DALOLR00 P Review of Assistance, Instruction,	1 9612 9706 DCSLOG TO BE
DALOLR00 P Maintenance Data Element Implementation	1 9612 9706 DCSLOG TO BE
DALOPR00 P Army Force Planning Data and Assumptions	1 9612 9706 DCSLOG TO BE
DALORR00 P Funding and Control of Army War Reserve	1 9612 9704 DCSLOG TO BE
DALOSQ00 O Velocity Management	1 DCSLOG ARROYO CENTER
DALOSQ00 O Army Stockage Policy	2 DCSLOG ARROYO CENTER
DALOSQ00 O Measuring Effectiveness of the Logistics	2 9512 9606 DCSLOG ARROYO CENTER
DALOTR00 P Analyze Commercial Business Practices in	1 9612 9706 DCSLOG TO BE
DAMOFR00 P WARTIME AMMUNITION REQUIREMENTS UPDATE	2 DCSOPS CAA (7-16-96)
DAMOFR01 P IMPACTS OF ARMY CSS ON WARFIGHTING	2 DCSOPS CAA (7-16-96)
DAMOSR00 P PREVENTIVE DEFENSE: ARMY ROLES AND RESOURCE	2 DCSOPS TO BE
NGARLR00 P Army Nat'l Guard Capabilities to Provide	1 9612 9806 NGB TO BE
NGARLR00 P Alternative Vehicle Air Filter	1 9610 9702 NGB TO BE
ODISCR00 O Command, Control & Communication	1 9610 9704 DISC4 LMI
ODISCR00 P United States Participation in ATCCIS 1997	1 9610 9709 DISC4 IDA
SAMRR006 P Evaluation of workload planning systems for	1 9610 9709 ASA(M&RA) TO BE

\*\*\*\*\* CRITICAL ISSUE: Modernization \*\*\*\*\*

STATUS	IMPACT
PUIC***** * ABBR TITLE*****	* STRT END* SPONSOR*** PERFORMER*****
AMSMP01 P SMART LASER BEAMRIDER	1 9701 9709 AMC AMC-SWMO
AMSMP02 P DEVELOPMENT OF MULTI-USER CAMOUFLAGE,	1 9610 9709 AMC SWMO/USAEWES
AMSMP02 P ADVANCED SIGNAL PROCESSING STUDY	3 9510 9710 AMC AMC SWMO/GACIAC
AMSMP09 P SMART LASER BEAMRIDER	1 9701 9709 AMC AMC-SWMO
AMSMP12 P ADVANCED SIGNAL PROCESSING STUDY	3 9510 9710 AMC AMC SWMO/GACIAC
AMSMP22 P DEVELOPMENT OF SMART WEAPONS AIMPOINT ERROR	1 9610 9709 AMC AMC-SWMO
AMSMP25 P DEVELOPMENT OF SMART WEAPONS AIMPOINT ERROR	1 9610 9709 AMC AMC-SWMO
AMSMP25 P OPTICAL BAR CODING TECHNOLOGY	2 9510 9703 AMC AMC-SWMO
AMSMP32 P OPTICAL BAR CODING TECHNOLOGY	2 9510 9703 AMC AMC-SWMO
AMSMP50 P SMART WEAPON TECHNOLOGY INVESTMENT IN THE	1 9601 9609 AMC AMC-SWMO
AMSMP50 P FIRE SUPPORT WEAPON FOR FORCE XXI	1 9610 9709 AMC AMC-SWMO
AMSMP50 P ENHANCEMENT GUIDELINES FOR PRECISION-GUIDED	2 9601 9708 AMC AMC-SWMO



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AMSMIQ50	P USE OF THE ARMY DEVELOPMENT TECH BASE	1	9701	9709	AMC	AMC-SWMO
ATRCFJ00	O Corps/Division Analytic (Eagle) Model/DIS	3	8801	9709	TRADOC	T/OAC
ATRCFO01	O Corps Level Computer Generated Forces	3	9404	9709	TRADOC	T/OAC
ATRCLO00	O Flatrack Shortfall Update	1	9605	9612	TRADOC	T/LEE
ATRCSP01	O Southwest Asia Low Resolution Scenario 6.0	2	9608	9705	TRADOC	T/OAC
ATRCSP01	O Southwest Asia Theater Resolution Scenario	3	9512	9610	TRADOC	T/SWC
ATRCSP01	O Near Simultaneous Major Regional	3	9509	9612	TRADOC	T/SWC
ATRCSP02	O MLRS Smart Tactical Rocket (MSTAR) COEA	2	9506	9709	TRADOC	T/SAC
ATRCWO03	O Battlefield Identification COEA	2	9408	9703	TRADOC	T/WSMR
ATRCWP02	O Importing of Hi-Res Scenarios into CASTFOREM	3	9509	9706	TRADOC	T/WSMR
ATRCWQ01	O Janus 7.0 Development	3	9510	9706	TRADOC	T/WSMR
ATRCWQ01	O CASTFOREM Development	3	9510	9909	TRADOC	T/WSMR
ATRCWQ01	O Analytic Enhancements to ModSAF	3	9606	9809	TRADOC	T/WSMR
ATRCWQ01	O Janus 6 - User Support	2	9601	9706	TRADOC	T/WSMR
ATSACQ00	O TMD Experiment '96 Cruise Missile Defense	1	9512	9709	TRADOC	ADA
ATSACQ00	O Theater High Altitude Area Defense MS II	1	9605	9706	TRADOC	ADA
ATSACQ00	O Air and Missile Defense Task Force	2	9603	9703	TRADOC	ADA
ATSFCO00	O Target Acquisition Fire Support Model	3	9310	9709	TRADOC	D&SA BL
ATSFCO00	O Target Acquisition Fire Support Model	3	9310	9709	TRADOC	D&SA BL
ATSFCP00	O Crusader SOA	2	9503	9709	TRADOC	FAS
ATSFCP01	O Extended Range Guided MLRS Rocket Study	2	9506	9612	TRADOC	FAS
DAMOFR00	P MODERNIZATION PRIORITY DSS (RISES Phase II)	2			DCSOPS	TO BE
DAMOFR00	P CLOSE SUPPORT END-TO-END ASSESSMENT (CSEEA)	1			DCSOPS	TO BE
DAMOFR00	P FORCE XXI INTEGRATION & SYNCHRONIZATION TOOL	2			DCSOPS	TO BE
DAMOFR00	P WARTIME AMMUNITION REQUIREMENTS UPDATE	2			DCSOPS	CAA (7-16-96)
DAMOFR01	P IMPACTS OF ARMY CSS ON WARFIGHTING	2			DCSOPS	CAA (7-16-96)
DAMOSR00	P LONG RANGE STUDY OF GROUND WARFARE	2			DCSOPS	SAIC
DAMOSR00	P IMPLICATIONS OF THE NATIONAL STRATEGY REVIEW	1			DCSOPS	TO BE
DAMOSR00	P PREVENTIVE DEFENSE: ARMY ROLES AND RESOURCE	2			DCSOPS	TO BE
ODISCR00	O Quadrilateral Armies C3 Interop Ana	1	9610	9709	DISC4	LMI
ODISCR01	P Army Modernization Impacts From Extended	1	9610	9709	DISC4	JOINT SPECTRUM

\*\*\*\*\* **CRITICAL ISSUE:** **Quality People** \*\*\*\*\*

STATUS		IMPACT			
PUIC*****	* ABBR TITLE*****	* STRT	END*	SPONSOR***	PERFORMER*****
ATRCLO00	O Enlisted Attrition Study	1	9510 9708	TRADOC	T/LEE
DAARPR02	P UNIT READINESS IMPACTS OF UNSATISFACTORY	1	9610 9709	DAAR-PAE	NAVAL POSTGRAD
DAARPR03	P SUPPORT FOR DEVELOPMENT OF TPU LEADERSHIP	2	9610 9709	DAAR-PAE	NAVAL POSTGRAD
DAPEMR00	P Enlisted Accession Flow to the Training Base	2		DCSPER	TO BE
NGARLR00	P Army Nat'l Guard Capabilities to Provide	1	9612 9806	NGB	TO BE
SAMRR006	P Evaluation of workload planning systems for	1	9610 9709	ASA (M&RA)	TO BE
USARCR00	P Incentives Conjoint Analysis	2		DCSPER	TO BE

\*\*\*\*\* **CRITICAL ISSUE:** **Redesign of Institutional/TDA Army** \*\*\*\*\*

STATUS		IMPACT			
PUIC*****	* ABBR TITLE*****	* STRT	END*	SPONSOR***	PERFORMER*****
AETTDM00	O Combat Maneuver Training Center Fratricide	2	9208 9709	TRADOC	T/WSMR
ATRCSL00	O Simulator/Simulation Based Training Program	2	9010 9709	TRADOC	T/WSMR
ATRCSQ01	O Army After Next	3	9606 9706	TRADOC	T/SAC
ATRCWN01	O Univ of No Dakota Rotary Wing Aviator	2	9303 9809	TRADOC	T/WSMR



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ATRCW001	O PRIME PFTEA	2	9510	9610	TRADOC	T/WSMR
ATRCW003	O Task Force XXI	1	9411	9708	TRADOC	T/WSMR
ATRCWP00	O Heavy Dry Support Bridge TEA	2	9512	9610	TRADOC	T/WSMR
ATRCWP01	O TF XXI AWE TEA	2	9504	9706	TRADOC	T/WSMR
ATRCWP02	O Loss in Proficiency of Graduates	2	9410	9612	TRADOC	T/WSMR
ATRCWP02	O Grizzly TEA	2	9510	9709	TRADOC	T/WSMR
ATRCWQ00	O Theater High Altitude Area Defense (THAAD)	2	9508	9610	TRADOC	T/WSMR
ATRCWQ00	O Wolverine TEA	2	9510	9611	TRADOC	T/WSMR
ATRCWQ01	O Unit Level Logistics System Embedded	2	9602	9704	TRADOC	T/WSMR
ATSBTL00	O Force XXI Training Development	3	9310	9709	TRADOC	ARMC
ATZQTP00	O Aviation Combined Arms Tactical Trainer	2	9603	9701	TRADOC	T/WSMR
DALOLQ00	P Implementation of a National Provider:	1	9605	9705	DCSLOG	INNOLOG
DAPEMR00	P Enlisted Accession Flow to the Training Base	2			DCSPER	TO BE
NGARLR00	P Army Nat'l Guard Capabilities to Provide	1	9612	9806	NGB	TO BE
ODISCR02	P Designing a C4 Requirments Development	1	9610	9709	DISC4	TO BE
SAMRR006	P Evaluation of workload planning systems for	1	9610	9709	ASA(M&RA)	TO BE

\*\*\*\*\* **CRITICAL ISSUE: Requirements & Resourcing** \*\*\*\*\*

STATUS		IMPACT				
PUIC*****	* ABBR TITLE*****	* STRT	END*	SPONSOR***	PERFORMER*****	
DAARPR01	P RESOURCING FACTORS AND CONSIDERATIONS WHEN	1	9610 9709	DAAR-PAE	TO BE	
DALOPR00	P Army Force Planning Data and Assumptions	1	9612 9706	DCSLOG	TO BE	
DALORR00	P Funding and Control of Army War Reserve	1	9612 9704	DCSLOG	TO BE	
DAMOFR00	P MODERNIZATION PRIORITY DSS (RISES Phase II)	2		DCSOPS	TO BE	
DAMOFR00	P CLOSE SUPPORT END-TO-END ASSESSMENT (CSEEA)	1		DCSOPS	TO BE	
DAMOFR00	P FORCE XXI INTEGRATION & SYNCHRONIZATION TOOL	2		DCSOPS	TO BE	
DAMOFR00	P WARTIME AMMUNITION REQUIREMENTS UPDATE	2		DCSOPS	CAA (7-16-96)	
DAMOFR01	P IMPACTS OF ARMY CSS ON WARFIGHTING	2		DCSOPS	CAA (7-16-96)	
DAMOSR00	P IMPLICATIONS OF THE NATIONAL STRATEGY REVIEW	1		DCSOPS	TO BE	
NGARLR00	P Conflict of 800/288/200 AC/ARNG/USAR OPTEMPO	2	9701 9712	NGB	CACI-FEDERAL	
NGARLR00	P Alternative Vehicle Air Filter	1	9610 9702	NGB	TO BE	
SAFMBR00	P Reengineering Program and Budget Processes	1	9509 9709	ASA(FM&C)	LMI	



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## **APPENDIX A**

### **SYMBOLS**

#### **STATUS**

- O Ongoing - Study has begun
- P Planned - Study has not yet begun

#### **PERFORMANCE METHOD**

- I In-house resources
- C Contracted resources
- B Both in-house and contract resources

#### **IMPACT LEVEL**

- 1 Primary Impact
- 2 Secondary Impact
- 3 Tertiary Impact



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## **APPENDIX B**

### **GLOSSARY**

**Contract Number:** A thirteen position number assigned to study contracts, identifying the purchasing office (1-6), the fiscal year of the contract (7-8), the type of procurement (9) and serial number of the contract (10-13).

**DTIC Number:** The Defense Technical Information Center (DTIC) accession number assigned to each project in the DTIC data base. AR 5-5 requires that all studies be reported to DTIC within 15 days of initiation.

**Impact:** The anticipated end use of a planned or on-going study effort. (For further explanation, see list of symbols in Appendix A).

**Performer:** The organization performing the study.

**Project Title:** A brief descriptive title of the study.

**Project Unique Identification Code (PUIC):** A nine position code which serves to track study efforts throughout their life-cycle.

**Sponsor:** The HQDA staff agency or Major Command requiring the study or serving as the requirement proponent.

**Status:** A code indicating the status of a study effort as of the date of submission.

**Study:** An organized analytic assessment or evaluation in support of policy development, decision-making, management, or administration.



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## **APPENDIX C**

### **ARMY STUDY COORDINATORS**

Each Army Staff Agency and Major Command (MACOM) has a designated study coordinator whose duties include:

- a. Advising the agency head or commander on all matters concerning the conduct and administration of Army studies and resources, both contracted and in-house, required for studies.
- b. Developing the agency or MACOM Army Study Program and the supporting study budget.
- c. Serving as the agency or MACOM point of contact for outside agencies on all study matters.
- d. Monitoring the agency or MACOM Army study requirements.
- e. Assisting Study Advisory Group members and study action officers in the management of the individual Army study efforts.

A current listing of Army Study Coordinators is provided in this appendix. Any changes to this list should be reported to the Study Program Management Office at DSN 327-3376 or COM (703) 607-3376.



AGENCY	COORDINATOR	SYMBOL	PHONE (DSN)	FAX (DSN)	ADDRESS
AMC	Ms Carolyn Saunders	AMCRDA-AC	284-9293	703-274-3198 only	5001 Eisenhower Ave Alexandria, VA 22333-00
ASA(FM)	Ms. Kathy Manners	SAFM	224-6185	223-1003	Pentagon 3A682
ASA(IL&E)	Ms. K. Condon	SAILE	224-9046	224-4571	Pentagon 3E619
ASA(M&RA)	Mr. C. Kratz or Chris Sudberry	SAMR	227-4092 227-5237	224-5975	Pentagon 2E591
ASA(RDA)	LTC Mike Remias	SARDA	224-5920	223-2385	Pentagon 3E411
CAA	Ms. Terese Sweet	CSCA-MSP	295-1631	295-1834	8120 Woodmont Ave Bethesda, MD 20814
CIDC	Mr. Mike Holland	CISP-MR-MS	656-0190	656-0203	6010 6th St., Ft Belvoir, VA 22060
COE	Mr. Doug Chyz	DAEN-ZCM	332-7073	332-6936	1225 Jeff Davis Highway, #1410, Arlington, VA 222
DAAR	MAJ. Bob Gay	OCAR-PAE	225-2288	225-3826	Pentagon 1D416
DACH	Ms. Brenda Sherrer	DACH-PDT	225-1409	225-9834	Pentagon, 1E421
DCSINT	Mr. S. Nolan	DAMI-PII	824-4060	671-8932	5205 Leesburg Pike Suite 1200, Falls Church, VA 22041
DCSLOG	Mr. Tom Redfern	DALO-PO	224-9735	224-2824	Pentagon 2C564
DCSOPS	Ms. Gail Lankford	DAMO-ZDS	224-0305	224-9044	Pentagon 3A538
DCSPER	MAJ Gorevin	DAPE	224-7298	225-3600	Pentagon 2B731
FORSCOM	Mr. George Taylor	AFRM-RI-I	367-6158	367-6188	Ft McPherson, GA 30330
INSCOM	Mr. Doug Toy	IAOP-FMC	235-1448	235-1001	Nolan Building 8825 Beulah St, Ft Belvoir, VA 22060-524
MDW	Mr. Sam Dewitts	ANRM-MR	325-3258	325-3213	Ft McNair Wash, DC 20319-5050
MEPCOM	Mr. Richard Branch	MPP	792-6760	792-4859	2500 Green Bay Rd North Chicago, IL 60064



AGENCY	COORDINATOR	SYMBOL	PHONE (DSN)	FAX (DSN)	ADDRESS
NGB	Ms. Pat Condon	NGB-ARC	327-7704	327-7585	111 South George Mason Dr. Arlington, VA 22204
OPTEC	Ms Sarah Wilson	CSTE-MP	761-6818	761-6914	4501 Ford Ave Alexandria, VA 22302-14
PA&E	MAJ Tim Muehl	DACS-DPD	227-6436	223-2115	Pentagon 3C719
PEO-FAS	Mr. Steve Simons	SFAE-FAS	880-7129	880-7127	Picatinny Arsenal, NJ 07806
SAIS	Mr. Lew Saunders	SAIS-ADO	224-0755	225-5213	Pentagon 1D638
SSDC	Ms. B. Nichols	DACS-BMP	332-7124	327-2035	P.O. Box 15280 Arlington, VA 22202
SSI	COL John O'Shea	AWCI	242-4125	242-3734	Carlisle Brks, PA 17013
TRADOC	Ms. Gay Bartelt	ATAN-A	680-5821	680-4394	CMDR, TRADOC ATAN- Ft Monroe VA 23651
USASC	Ms. Cheryl Griego	ASC-CG	879-0224	879-0705	Ft Huachuca, AZ 85613
USAMISMA	Mr. Bill Barr	SFUS-MIS	327-3376	327-3381	1725 Jeff Davis Hwy Arlington, VA 22202
USAREUR	Mr. Bob Klemmer	AEAGX-OR	370-6420	370-8098	APO AE 09014
USARPAC	Ms. Jayme Peterson	APRM-MC	438-9551	438-9234	Ft Shafter, HI 96858-5100
USMA	Mr. Andy Maroney	MARM-MS	688-4277	688-5328	West Point, NY 10996



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## **APPENDIX D**

### **DOD STUDIES AND ANALYSES POINTS OF CONTACT**

The following individuals have been identified by their respective DoD agency as the study and analysis point of contact.

#### **ARMY**

U.S. Army Study Program  
Management Office  
ATTN: Mr. William D. Barr  
Suite 808, Crystal Square 2  
1725 Jefferson Davis Highway  
Arlington, VA 22202  
(703) 607-3376

RAND ARROYO Center  
Program Analysis and Evaluation  
ATTN: MAJ Timothy Muehl  
Room 3C719, the Pentagon  
Washington, D.C. 20310-0400  
(703) 697-2483

#### **NAVY**

Chief of Naval Operations  
ATTN: Mr. Robert Cates  
Room 4A510, the Pentagon  
Washington, D.C. 20350-2000  
(703) 695-9440

U.S. Marine Corps Combat Development  
Command  
ATTN: COL Richard Linhart  
Quantico, VA 22134  
(703) 784-3235

#### **AIR FORCE**

Air Force Studies and Analysis Agency  
ATTN: COL Thomas L. Allen  
Room 1E388, the Pentagon  
Washington, D.C. 20330-1570  
(703) 695-9046

#### **OSD and JOINT STAFF**

Office Director OSD Studies and  
FFRDC Programs  
ATTN: Robert Nemetz  
Room 312, IDA Building  
2001 N. Beauregard  
Alexandria, VA 22311  
(703) 681-9096

Organization of the Joint Chiefs of  
Staff (J-8)  
ATTN: Mr. Vincent Roske  
Room 1E965, the Pentagon  
Washington, D.C. 20318-8000  
(703) 695-9153

Office of the Under Secretary  
of Defense for Policy  
ATTN: Mr. Ralph B. Novak  
Room 3A7&8, the Pentagon  
Washington, D.C. 20301  
(703) 614-5249

Office of the Director (PA&E)  
ATTN: Mr. Robert Soule  
Room 3E835, the Pentagon  
Washington, D. C. 20301-1800  
(703) 695-7191



Director, Special Projects and Research  
Dr. Curtis L. Gilroy  
OUSD (P&R) (R&R)  
Room 3C980, the Pentagon  
Washington, D.C.  
(703) 697-0617



## APPENDIX E

### CONNECTIVITY INFORMATION FOR AIMSSS

#### ARMY STUDY PROGRAM (ASP) REPOSITORY

- o Call into the Army Information on Models, Simulations, & Studies System (AIMSSS)

Number: (703) 607-3528, DSN 327-3528

Hardware: MS-DOS PC and a modem.

Accounts: Accounts are generated by the system automatically and passwords are chosen by the user. Users are encouraged to remember their passwords. Accounts and Passwords may be typed in upper case, lower case, or a combination of both.

Communications Software:

- o Setting: no parity, 8 data bits, and 1 stop bit (N81).

- o Emulation: IBM keyboard and ANSI graphics.

**NOTE:** A shareware communications package, TELIX, which meets the above criteria, is available for download (filename: telix322.exe).

From the AIMSSS Main Menu, read the bulletins (type: **b**) for a general overview of the system or read the Reference Guide (type: **ref**) for step-by-step instructions on using the ASP Repository.

- o At the AIMSSS Main Menu, type: **asp** to enter the ASP Repository.

- o Follow the on-screen directions.

**NOTE:** If you have problems accessing the ASP Repository, contact the Systems Administrator

**Voice** DSN 327-3434, Com (703) 607-3434

**Email** wanda.d.wharton@pentagon-1dms18.army.mil

**Fax** DSN 327-3381, Com (703) 607-3381

**AIMSSS Main Menu** Press O to activate pager to chat on-line, or press E to type in a detailed message